

Stoic Solutions

Team (stoicsolutionscsusm@gmail.com):

Adam Hebel, Brian Rattanasith, Chris Bertram, Connor Myers,

Enrique Jimenez, Jerry Compton, Jordan Mower, Matthew Adamus



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To: Dr. Wesley Schultz, Advisor to Keep America Beautiful

CC: Dr. Shaun-inn Wu, Director of Projects

Stoic Solutions is thrilled to be a part of this amazing project for Keep America Beautiful. Thank you Dr. Schultz for providing us with this opportunity to be a part of not only a fun and engaging project but also a great cause. We looked forward to continuing our work with you this semester and making this project come to fruition.

The first phase involved the team conducting extensive research, looking over the previous teams documentation, running tests and beginning our own documentation. We conducted research on the algorithms functionalities and read over all of the previous teams documentation to get an idea of how the algorithm works. We then brainstormed what we needed and how we would get the information needed to complete our final tasks in this project. In the next phase we plan to dig deeper into our tests and start implementing and testing ways to identify a geographical location so that we can have a functional and usable database filled with data for the UI team to utilize.

Regarding the accrued and projected cost of this project. Our team will be operating at a rate of \$28.00 per hour. Thus far, our team has recorded 98.5 hours for our initial phase, resulting in a total cost of \$2758.00. We predict these numbers to increase during phase 2 when more work hours will be required for development. As for the cost of running the server, this will be determined when we obtain access to the AWS server. For insight on this cost, the previous team was running their server at 29 cents per hour which is estimated to be roughly \$833.00 for 4 months (February to May).

A copy of this report will be submitted to both Dr. Schultz and Dr. Wu

By signing below you hereby approve Stoic Solutions to continue working on the following project: Keeping America Beautiful: Litter Detective, and agree to the aforementioned estimated costs.

Dr. Wesley Schultz, Advisor to Keep America Beautiful



Stoic Solutions Code of Conduct

Mission: The team mission at Stoic Solutions is to create a positive, collaborative, and conscientious atmosphere to ensure project deadlines and goals are met.

Decisions:

- Every team member has equal say in the decisions that will affect the group and project.
- It is expected that every member will support the group's decisions, regardless if they agree with them or not in order to form a unified team.
- Disagreement over decisions are welcome, as they often result in the best solution for a problem. However, disagreements should not lead to arguments and should be handled in a professional manner.

Work Ethic/Teamwork:

- No person should feel alone on this project. Although every group member has assigned tasks, it is encouraged to work together to complete these tasks to achieve our common goal.
- The tasks needed to complete this project will not be completed by a few members, this is a group project and will be completed by the group.

Meetings:

- Every member of the team is expected to make time for mandatory group meetings, and attend said meetings once they are agreed upon.
- In the event that a team member can not attend a meeting, it is their responsibility to be up to date with all events and decisions made during the meeting.
- It is expected that every person in the meeting will be engaged and behave in a professional and respectful manner.



1. Application Development

1.1 Statement of Business Context

Keep America Beautiful is a national nonprofit organization that strives to improve, educate, and beautify both the environment and people. With more than 600-community based affiliates, partners, volunteers, and more, they are able to perform just so.

1.2 Statement of Customer's Business Problem

- Keep America Beautiful needs the data produced by the algorithm to mean something.
- Needs the data produced to have a rating system.
- The definition of a geographical space must be defined to signify cities, counties etc.
- Make the data available and usable for the UI team.

1.3 Statement of Project Proposal

- Goal 1 - Collect data from 360 Google Street images.
- Goal 2 - Process images through ML.
- Goal 3.1 - Collect output data.
- Goal 3.2 - Define what a geographic space is.
- Goal 4 - Make data accessible to the UI team.

On behalf of Dr. Wesley Schultz we will implement the following with the intent of making this data usable and available to the UI team.

1.4 Statement of Deliverables

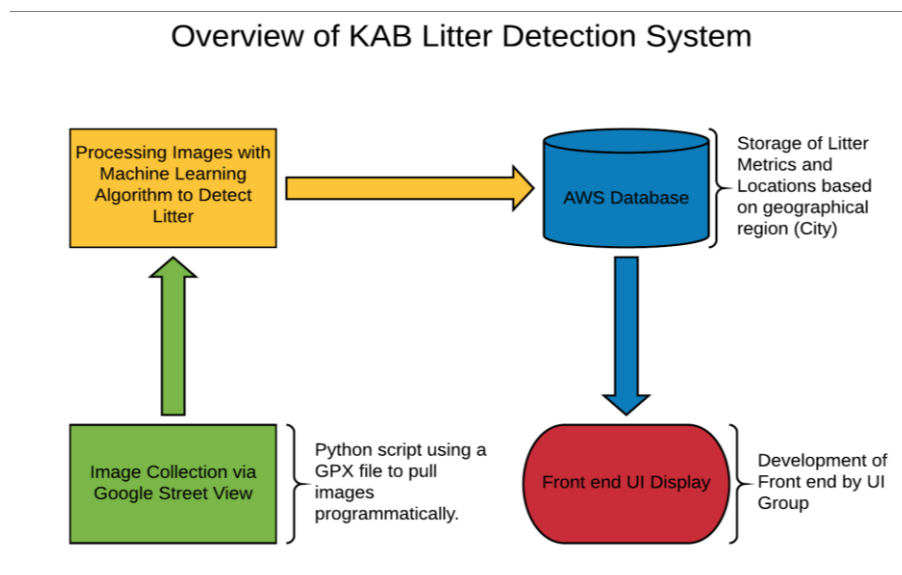
- Database filled with all data produced by the existing algorithm for UI team usage.
- Data will include:
 - Total litter in given area.
 - Geographic space.
 - Litter rating of 1 to 4.



1.5 Measures of Success

- 1.5.1** - Successfully resurrected FixIT Machine Learning system.
- 1.5.2** - Programmatically gathered a data set of Google Street View 360 images for the City of San Marcos.
- 1.5.3** - Processing images through the machine learning algorithm and generating required metrics (Pieces of litter, KAB Rating, Locations).
- 1.5.4** - Storing aforementioned litter metrics based on a geographic area in an AWS Database.
- 1.5.5** - Providing the UI team with the means to query and obtain data from our database.

1.6 System Overview



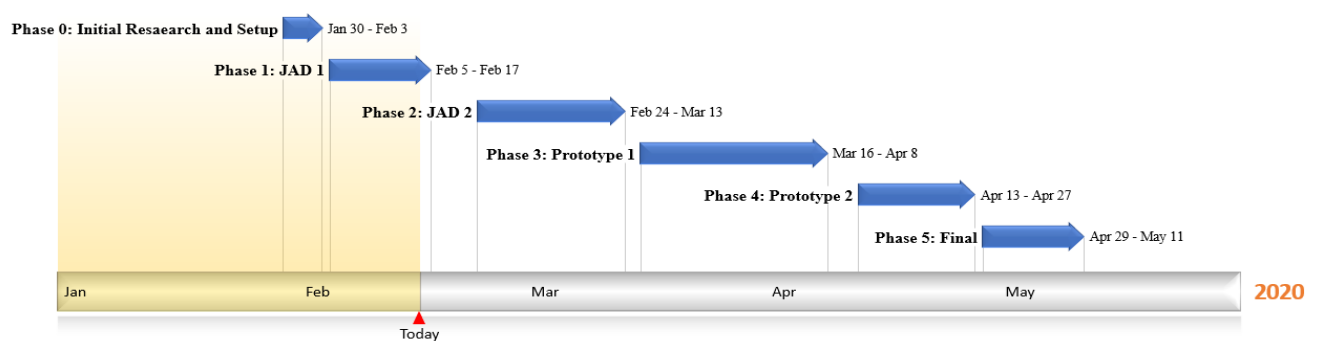


2. Requirements Matrix

Req. ID	Requirement	Description	Critical	Implemented [Y/N]	Task ID
1	AWS Setup	Configure & Obtain AWS Server	H	N	5.1
2	Data Collection	360 View, Google Maps, Google Street	H	N	N/A
3	Machine Learning Processing	Images must be processed through the trained algorithm	H	N	N/A
4	Output Data Collection	Data processed from algorithm	H	N	N/A
5	Data Accessibility to UI Team	Have the processed data stored or sent to the UI team	H	N	N/A

3. Project Management

3.1 Initial Schedule for Tasks and Deliverables





3.2 Timesheet

Week 2:

7



TIMESHEET: Enrique Jimenez														ORGANIZATION: Stoic Solutions														POSITION: Programmer																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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Week 3:

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Week 4:

TIMESHEET: Brian Rattanasth

ORGANIZATION: Stoic Solutions

POSITION: Documentation & Training

WEEK 4

02.10.20 - 02.16.20

Stoic Solutions

DESCRIPTION	MON 02.10.20		TUE 02.11.20		WED 02.12.20		THU 02.13.20		FRI 02.14.20		SAT 02.15.20		SUN 02.16.20
	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	ACTUAL
Report 1 GANT					2.50	2.50							
Report 1 Time Sheet					3.00	3.00							0.50 1.00
Report 1 Critical Matrix									1.00	1.00			
Report 1 Cost Chart													1.00 1.00
SIGNATURE:													TOTAL: PLANNED 8 ACTUAL 8.5

TIMESHEET: Jordan Mower

ORGANIZATION: Stoic Solutions

POSITION: Documentation & Training

WEEK 4

02.10.20 - 02.16.20

Stoic Solutions

DESCRIPTION	MON 02.10.20		TUE 02.11.20		WED 02.12.20		THU 02.13.20		FRI 02.14.20		SAT 02.15.20		SUN 02.16.20
	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	ACTUAL
Report 1 Setup	2.00	2.00											
Team Information					1.50	1.50							
Report 1 Formatting													1.00 1.00
Report 1 Info Bios	0.50	0.50											
SIGNATURE:													TOTAL: PLANNED 5 ACTUAL 5

Stoic Solutions

DESCRIPTION	MON 02.10.20		TUE 02.11.20		WED 02.12.20		THU 02.13.20		FRI 02.14.20		SAT 02.15.20		SUN 02.16.20
	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	ACTUAL
Report 1 Letter Page					2.00	2.00							
Report 1 Formatting					2.00	2.00							2.00 2.00
Report 1 Business Conduct											1.00	1.00	
Report 1 Timeline													1.00 1.00
SIGNATURE:													TOTAL: PLANNED 8 ACTUAL 8

TIMESHEET: Matthew Adamus

ORGANIZATION: Stoic Solutions

POSITION: System Analyst

WEEK 4

02.10.20 - 02.16.20

Stoic Solutions

DESCRIPTION	MON 02.10.20		TUE 02.11.20		WED 02.12.20		THU 02.13.20		FRI 02.14.20		SAT 02.15.20		SUN 02.16.20
	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	ACTUAL
Report 1 App Development					2.50	2.50							
Report 1 Research Bus									1.00	1.00			
Report 1 Info Bios													0.50 0.50
SIGNATURE:													TOTAL: PLANNED 4 ACTUAL 4



TIMESHEET: Enrique Jimenez														ORGANIZATION: Stoic Solutions														POSITION: Programmer																											
WEEK 4														02.10.20 - 02.16.20																												Stoic Solutions													
DESCRIPTION														MON 02.10.20		TUE 02.11.20		WED 02.12.20		THU 02.13.20		FRI 02.14.20		SAT 02.15.20		SUN 02.16.20																													
														PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL																												
Report 1 Code of Conduct														2.00	2.00																																								
AWS Set-up & Research																		0.50	0.50																																				
Report 1 Info Bios																								0.50	0.50																														
SIGNATURE: <i>Enrique Jimenez</i>																												TOTAL: PLANNED 3 ACTUAL 3																											
TIMESHEET: Jerry Compton														ORGANIZATION: Stoic Solutions														POSITION: Database Admin																											
WEEK 4														02.10.20 - 02.16.20																												Stoic Solutions													
DESCRIPTION														MON 02.10.20		TUE 02.11.20		WED 02.12.20		THU 02.13.20		FRI 02.14.20		SAT 02.15.20		SUN 02.16.20																													
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Report 1 Salary & Resource																		2.50	2.50																																				
AWS Set-up & Research																		1.00	1.00																																				
Report 1 Info Bios																								2.00	2.00																														
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SIGNATURE: <i>Jerry Compton</i>																												TOTAL: PLANNED 6 ACTUAL 6																											
TIMESHEET: Connor Myers														ORGANIZATION: Stoic Solutions														POSITION: Database Admin																											
WEEK 4														02.10.20 - 02.16.20																												Stoic Solutions													
DESCRIPTION														MON 02.10.20		TUE 02.11.20		WED 02.12.20		THU 02.13.20		FRI 02.14.20		SAT 02.15.20		SUN 02.16.20																													
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AWS Set-up & Research																		1.00	1.00																																				
Report 1 Info Bios																										0.50	0.50																												
Report 1 Team Assembly																		0.50	0.50																																				
SIGNATURE: <i>CM</i>																												TOTAL: PLANNED 2 ACTUAL 2																											
TIMESHEET: Chris Bertrum														ORGANIZATION: Stoic Solutions														POSITION: Team Leader																											
WEEK 4														02.10.20 - 02.16.20																												Stoic Solutions													
DESCRIPTION														MON 02.10.20		TUE 02.11.20		WED 02.12.20		THU 02.13.20		FRI 02.14.20		SAT 02.15.20		SUN 02.16.20																													
														PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL																												
Email Coordination														0.50	0.50			1.00	1.00																																				
Report 1 Info Bios																										0.50	0.50																												
Report 1 Initialize Notes														1.00	1.00																																								
SIGNATURE: <i>Chris Bertrum</i>																												TOTAL: PLANNED 3 ACTUAL 3																											

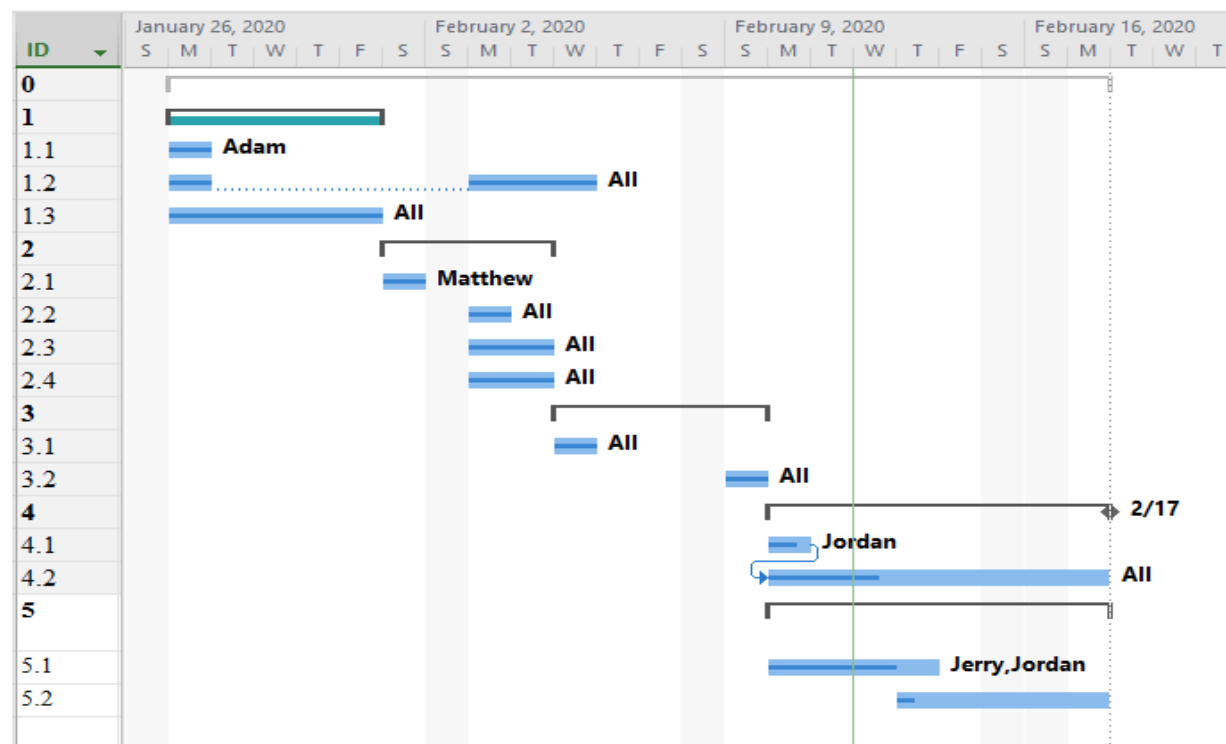
3.3 Statement of Total Price

As stated in our initial letter and agreement, the team will be operating at a rate of \$28.00 per hour for each member of Stoic Solutions. Thus far, our team has recorded 98.5 hours for our initial phase, resulting in a total cost of \$2758.00. No fees accrued for the AWS server as it has not been officially setup yet.



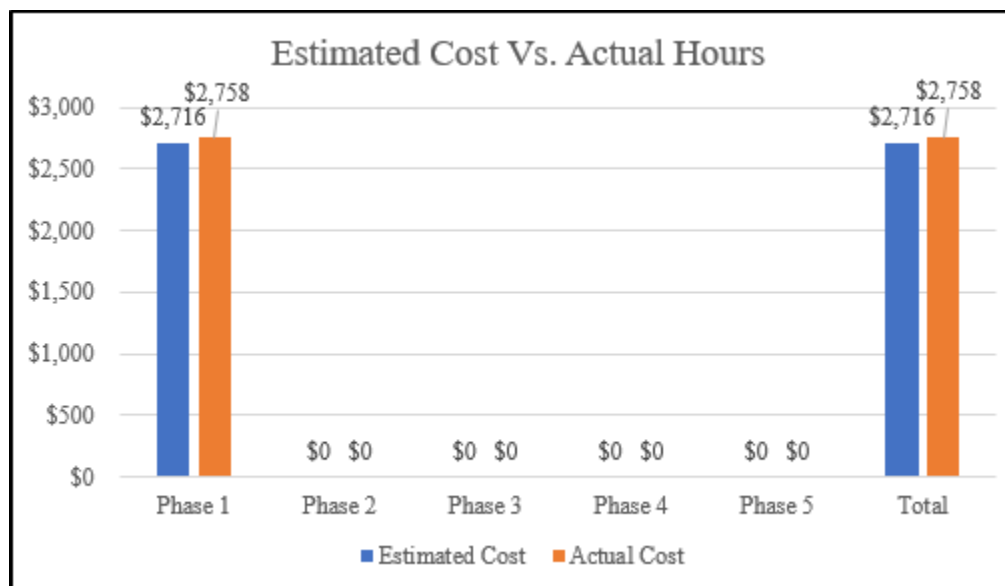
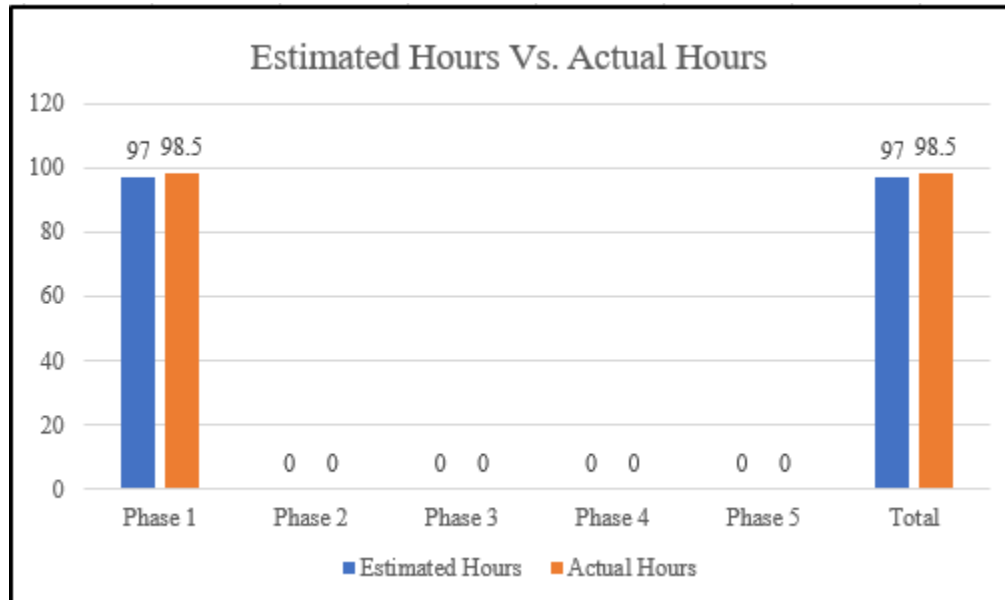
3.4 Gantt Chart

ID	Task Name	Duration	Start	Finish	Resource Names	% Complete
0	Stoic Solutions - Phase 1	18 days	Mon 1/27/20	Mon 2/17/20		77%
1	Initial Project Start-up & Proposal	5 days	Mon 1/27/20	Fri 1/31/20	All	100%
1.1	Team Drive Hub & Documentation Created	1 day	Mon 1/27/20	Mon 1/27/20	Adam	100%
1.2	Report 0	3 days	Mon 1/27/20	Wed 1/29/20	All	100%
1.3	Team Meeting & Coordination Set-up	5 days	Mon 1/27/20	Fri 1/31/20	All	100%
2	Research & Requirement Analysis	3 days	Sat 2/1/20	Tue 2/4/20		100%
2.1	Map Polling Infographics	1 day	Sat 2/1/20	Sat 2/1/20	Matthew	100%
2.2	First Team Meeting	1 day	Mon 2/3/20	Mon 2/3/20	All	100%
2.3	Preparation Materials for JAD 1	2 days	Mon 2/3/20	Tue 2/4/20	All	100%
2.4	Previous Group Research	2 days	Mon 2/3/20	Tue 2/4/20	All	100%
3	JAD 1	4 days	Wed 2/5/20	Sun 2/9/20		100%
3.1	JAD 1 Meeting Conducted	1 day	Wed 2/5/20	Wed 2/5/20	All	100%
3.2	Team Meeting & Progression	1 day	Sun 2/9/20	Sun 2/9/20	All	100%
4	Report 1	6 days	Mon 2/10/20	Mon 2/17/20	All	51%
4.1	Initial Report Set-up	1 day	Mon 2/10/20	Mon 2/10/20	Jordan	90%
4.2	Documentation Engagement	6 days	Mon 2/10/20	Mon 2/17/20	All	45%
5	AWS & Machine Learning Set-Up	6 days	Mon 2/10/20	Mon 2/17/20	Jerry, Jordan, Enrique, Connor	47%
5.1	Initial AWS Set-up	4 days	Mon 2/10/20	Thu 2/13/20	Jerry, Jordan	75%
5.2	Machine Learning Configuration & Testing	3 days	Thu 2/13/20	Mon 2/17/20		10%



3.5 Initial Project Cost Tracking Chart

Below are the costs accumulated based on the team's total hours worked. AWS is not included as it is not yet fully setup.





3.6 Statement of Deliverables

The Stoic Solutions team strives to deliver the following for Phase 2:

- Officially review, configure, and startup AWS.
- Collaborate any perceived changes or suggestions towards the team, Dr. Schultz, and Dr. Wu.
- An updated report modernized, including the goals and milestones we've reached.

As previously stated, the Stoic Solutions team is operating at a rate of \$28.00 per hour. Based on our time for Phase 1, an estimation of about 120 hours can be assumed, thus costing \$3360.00. With one of our primary goals being the initialization and startup of the AWS server, and based on the previous team's cost of .29 cents per hour for 4 months (Feb through May), we can estimate \$833.00.

3.7 Outline of Resources Needed

The following are resources we will need to successfully complete our project:

- Source code from previous team (Machine learning system)
- AWS Server Instance
- Google Streets images
- Personal Computers
- Meetings and feedback from the UI team regarding our data export process

The source code has been acquired from the previous team's github. The AWS server has been provided by the previous team. Google street images will be pulled using google's API. Personal computers will be provided by our team in which we can conduct development and interact with the server. Meeting and feedback from the UI team will help us determine how we will transfer our data to the UI team.



Team Information



Stoic Solutions



Chris Bertram

Team Leader

Email: bertr009@cougars.csusm.edu

Phone: (760) 716-9679

My role on the Stoic Solutions team is Team Leader. My primary role is to facilitate communication between different members of the team and the client(s) to ensure no losses in productivity and maintain continuity and consistency in the product, communication based or otherwise. This includes

scheduling meeting times and providing documentation for various communications and workflows.



Stoic Solutions



Adam Hebel

Project Manager

Email: hebel001@cougars.csusm.edu

Phone: (760) 580-1045

My primary role on Stoic Solutions is Project Manager. This includes organizing and managing tasks that will take place during the project and making sure that all members have something to work on and contribute to the project. In addition I will be helping with documentation and making sure every submission

and task for the project is completed by the specified date as well as assisting where every other help is needed.



Stoic Solutions



Jerry Compton

Database Admin & Web Programmer

Email: compt008@cougars.csusm.edu

Phone: (951) 287-8897

My role within Stoic Solutions is to help administer our new system onto AWS such that it can successfully deliver data to the KAB UI team. Another key responsibility will be ensure that our data is of the desired format for the UI team. My background is in web development so I believe that I am well suited for

these roles. Along with that, I will be communicating effectively with my team members to ensure that we are on track for all phases of the project.



Stoic Solutions

**Brian Rattanasith**

Documentation/Training

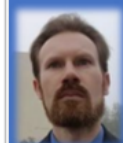
Email: ratta005@cougars.csusm.edu

Phone: (760) 417-0548

My primary role in Stoic Solutions is documentation and training, but not limited to anything the team needs help with (Coding, configuring, etc...). My strength/focus is to understand, organize, and present the information given, so that everyone and everything correlates in a timely manner.



Stoic Solutions

**Matthew Adamus**

System Analyst

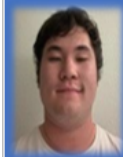
Email: adamu002@cougars.csusm.edu

Phone: (760) 484-7113

My tasks include problem anticipation, system utilization, refinement of abstract ideas, and documentation of the project as we progress. When applicable I will turn useful data or ideas still in the process of being defined, into visual representations. I will float to tasks as assigned by the Project Manager.



Stoic Solutions

**Connor Myers**

Database Admin & Web Programmer

Email: myers060@cougars.csusm.edu

Phone: (760) 916-3812

My role within Stoic Solutions is to work with our AWS Database and make sure that the UI team can use our data. My strength and focus is understanding data that is created and making it understandable for anyone to use.



Stoic Solutions

**Enrique Jimenez**

Programmer

Email: jimen120@cougars.csusm.edu

Phone: (951) 796-3602

My role within the Stoic Solutions team is to review and understand all documentation from the previous team and use my software development experience to add any necessary alterations and improvements so that our project goals are met.



Stoic Solutions



Jordan Mower

Documentation/Training

Email: mower003@cougars.csusm.edu

Phone: (760) 213-7175

My role in Stoic Solutions will be focused on documentation and training. However, since I have previous experience using Amazon Web Services and Python I will be helping the team with those aspects as well. I am suited for this role because of my attention to detail and organizational skills. Both of which are required for producing documents that future

customers and programmers will find useful.



Jordan M. Mower

905 Merlo Court
Carlsbad, CA 92011
(760) 213-7175
mower003@cougars.csusm.edu

PROJECTS

Milestone — Android Application

Developed an android application using AWS Amplify, Java, and GraphQL that served as a knowledge and organizational sharing space for students at CSUSM.

Thrive — Web Application

A web application that uses Javascript, PHP, CSS, and MySQL. This application provided users with a historical budgeting tool in which they could use to keep track of their expenses.

Coffee Industry Analysis — Field Report

An in depth analysis of the coffee industry using SWOT and Porter's Five Forces to evaluate the industry.

EDUCATION

Mira Costa Community College, San Diego, CA — Accounting

August 2013 - May 2015

GPA: 3.453

Mira Costa Community College, San Diego, CA — Computer Science

August 2015 - May 2017

GPA: 3.453

California State University, San Marcos — Computer Science - Computer Information Systems

August 2017 - May 2020

GPA: 3.598

INTERESTS

Cyber Security

Hadoop & Big Data

Full Stack development

Mobile Applications

COURSEWORK

Data Structures & Algorithms

Database Management Systems

Digital Circuits & Assembly
Language

Business Environments

Marketing

Operations Management

Organizational Behavior

Networking

Operating Systems

Software Engineering

Systems Analysis & Design

Web Programming

LANGUAGES

C++, Java, JavaScript, PHP, Python,
HTML, SQL, GraphQL

Intermediate knowledge of German
and Japanese



Connor Myers

Contact Information:

myers.connor12@gmail.com
760-916-3812

Education

- CSUSM, Bachelor of Science, major: Computer Information Systems Management, in progress, graduating Fall 2020
- Palomar College, CS major, 2015-2017
- San Marcos High, San Marcos, CA 02/2017

Work Experience

- SurfingSage, Developer 01/2018- Present
- Ralphs, Associate Courtesy Clerk, March 2018 - present

Skills and Proficiencies

- Developed business plans, worked with balance sheets, Financial and Managerial Accounting, Financing
- C++, Java, Python, Ruby, JS, Postgre Database and application design and development according to SDLC/Agile/Scrum methodologies
- Developing Tensorflow, Keras deep learning models DQN,CNN, Reinforcement learning ,semi-adversarial networks, applying Machine Learning ML algorithms
- SQL, Bash, Python, Regular Expressions, Linux system administration, Wireshark
- AWS, VMWare, CouchDB, Homebrew, Vagrant, Docker Visual Studio,Kali Linux, Metasploit, Visio, Apache Cassandra, Spark, Workbench, Constellation, ZSL, Truffle v3 v4, Webpack. Linux RedHat, Scientific Linux, Ubuntu, Debian, Windows 10/8.1/7, Mac OS X, Unix
- Full stack development, launch, running and maintaining full stack on AWS
- MIPS and ARM Assembly

Interests

- Machine learning, supervised and unsupervised Artificial Intelligence systems, Data Analytics
- Decentralized app development for commerce and health care
- Post quantum cryptography, scripting, network security



CHRIS BERTRAM

3228 Grand Avenue, San Marcos · (760) 716-9679

chris.bertram62@rocketmail.com

It's very rare for a technician to have the amount of people skills I do: between several years of experience as a technician even before I enter the workforce and exposure to the high stress environment of supporting professional photographers and journalists, my ability to keep calm under pressure and solve problems is highly refined.

EXPERIENCE

NOVEMBER 2015 – OCTOBER 2017

STUDENT TECH, PALOMAR COLLEGE

Responded to classroom and faculty staff calls and tickets as needed and directed. Organized the office, handled e-waste documentation,

MAY 2018 – PRESENT

STUDENT LAB TECHNICIAN (LEAD), CALIFORNIA STATE UNIVERSITY, SAN MARCOS

Respond to and organize classroom calls and tickets as needed and directed. Organized the office, directed and doled tasks to students

EDUCATION

MAY 2017

ASSOCIATES IN COMPUTER SCIENCE, PALOMAR COLLEGE

3.4 GPA; foundational/undergraduate courses in computer science. Also contains an Associates in Math & Science, with a collection of various other science and math related courses.

MAY 2020

BACHELORS IN COMPUTER SCIENCE – INFORMATION SYSTEMS, CSUSM

3.2 GPA; emphasis on business environments and theories while maintaining a core foundation of computer science.

SKILLS

- Organization and attention to detail
- Strong troubleshooting abilities
- Remain calm and focused under pressure
- Strong people skills via experience in retail
- Hunger to learn

ACTIVITIES

I volunteer yearly at the BNP Paribas Open in Indian Wells, CA, a professional tennis tournament in the Media Services department. My hobbies include rock climbing, reading, mixology, and fashion.



Matthew B. Adamus

4009 Limber Pine Rd.
Fallbrook, CA, 92028
(760) 484-7113
adamu002@cougars.csusm.edu

SKILLS

Coordinator, Mediator, Mentor, Delegator, and Representative. I gather, validate, and distribute information for the increased productivity of the team. I observe and analyse the situation around me, inventing solutions, and motivating the people around me.

EXPERIENCE

Michael's, Encinitas - *Replenishment Team*

Oct 2014 - PRESENT

- Unload trucks, manage inventory, adapt on the fly.
- Work with a team to accomplish the most possible before sunrise.

Peking Wok, Bonsall, CA - *Volunteer Pianist.*

Aug 2011 - Oct 2014

- Provided the lunch crowd with pleasant dining music, most notably, watching a man dance with his granddaughter.

Coomb-Hopkins Co, Carlsbad, CA - *Clean Team Member*

2007 - 2014

- Dust, clean, disinfect surfaces, oil wood, and vacuum a seven room office.

EDUCATION

CSU San Marcos, CA - *currently studying*

Bachelor of Science: Computer Information Science

Palomar College, San Marcos, CA

Associate's Degree in Computer Science

Associate's Degree in Mathematics

PARADIGM SHIFT

As an extremely shy child, I asked myself one question that has changed my life. "If I didn't do this would I regret it?" The answer was yes. Thus in 8th grade, I presented a wreath at the Tomb of the Unknown Soldier in Arlington National Cemetery.



Enrique Jimenez

Education: Citrus Hill High School
Date of Graduation: May 2016

California State University San Marcos
Major: Computer Information Systems
Expected date of graduation: December 2020

Skills:

- Bilingual: English/Spanish
- Organized and dependable
- Great customer service skills
- Work well with others
- Experience in various work environments
- Microsoft project, sheets, excel, and word
- Experience with heavy machinery such as forklifts, ballymores, and Order pickers.
- Full stack software development/web development
- Programming languages: C, C++, java, html, css, SQL, PHP, python, and MIPS Assembly language.
- Bootstrap framework
- Thorough understanding of macOS and windows operating systems.
- Knowledge in networking, hardware/software Operating Systems, and database management.

Experience/volunteer work:

Amazon Distribution Center, Moreno Valley, CA

- Worked in the ICQA (Inventory control & quality assurance) department in which I checked bins full of items for anything that could cause a customer complaint in the future, such as broken items/packaging, missing items, etc. while maintaining a fast pace.

Air Force Village West (Altavita retirement community), Riverside, CA

- Assisted the director of activities by planning and organizing events, as well as interacting and building relationships with the elderly residents.

Home Depot, Perris, CA

- Worked in the plumbing department at the Perris Home Depot in which I stocked inventory, directed customers to store items, answered customers questions in regards to their home projects and various other tasks.

National Science Foundation (NSF) S-STEM scholarship recipient

- I am currently in a \$10,000 scholarship funded by the national science foundation in which I participate in semester long software related projects for local companies (Hunter industries, Viasat, etc.) and school organizations.
 - Created a web page for a school organization called cougar pantry that gives out free food to Cal State San Marcos students in need.

References: Available upon request.



Jerry Compton

(951)-287-8897 | JerryCCom24@Gmail.com

Education

California State University, San Marcos

(August 2015 - May 2020)

- BS: Computer Science – Option in Information Systems
- Association for Computing Machinery (ACM)
- GPA – 3.49

Skills & Interests

- C++, MIPS Assembly Language, SQL, HTML, CSS, PHP, JavaScript
- Confluence & JIRA
- Windows, MacOS, Linux
- Drupal, WordPress
- Microsoft Project & Excel
- Professional Writing Style
- Intermediate level Spanish
- Effective workplace communication & public speaking
- Music/Video Production & Editing
- Customer Service

Related Coursework

- Advanced Object-Oriented Programming
- Data Structures & Algorithms
- Database Management Systems
- Digital Circuits & Assembly Language
- Discrete Mathematics
- Intro. to Business Environments
- Intro. to Marketing
- Intro. to Operations Management
- Intro. to Organizational Behavior
- Networking
- Operating Systems
- Software Engineering
- Systems Analysis & Design
- Web Programming

Project(s)

Group Study Room Scheduler - libapps.csusm.edu/groupstudy

- Web application offered by the Kellogg Library at CSUSM for students to reserve study rooms
- Took part in many phases of the systems development lifecycle to release our Fall 2019 Update
- Purpose was to reduce load time by optimizing back end processes and expand our administrative user functionality

Professional Experience

CSU San Marcos – *Student Assistant/Application Specialist*

(Aug 2018 – Present)

- Develop and maintain the Kellogg Library Web Applications
- Offer technical assistance to faculty, staff, and students as requested
- Analyze and document current and potential systems

Rimrock Creative Media – *Director's Assistant*

(Aug 2016 – Jun 2017)

- Worked as a Grip on multiple film sets
- Edited footage in post-production

Hollister – *Impact Associate*

(Mar 2015- Aug 2015)

- Routinely implemented successful teamwork skills to promote a productive work environment



BRIAN RATTANASITH

586 Trovita Court, Escondido, CA 92027 | (619) 417-0548 | rattanasithb@gmail.com

Education

B.A. in Computer Science Info Systems (CSIS) 2013 - Present

CSUSM Transfer (Starting 2017, Expected 2020 Finish)

High School Diploma 2013

Orange Glen High School

Experience

IT Internship JUL 2018 – PRESENT

Cidara Therapeutics San Diego, CA

- Managed and troubleshooted support tickets containing both software and hardware issues.
- Diagnosed, resolved, and communicated with C-level, regular, and other corporate users/contacts to solve intermittent obstacles
- Worked on various projects entailing license acquisitions and security encryption; all while simultaneously efficiently coordinating the time and schedules of a user
- Setup workstations for new users: entire computer configuration and physical wiring arrangement with hardware
- Participated in corporate events involving strategic meetings

Crew Member MAR 2016 – JULY 2017

Chipotle Mexican Grill Escondido, CA

- Challenged various assignments as requested from managers, customers, fellow crew members, as well as customers
- Effectively learned to manage different tasks under critical times

Skills

- Proficient in both hardware and software computer-related tasks (Troubleshooting, Excel, Word, etc.)
- Strong written and verbal communication skills
- Admirable team player/worker in any task
- Easily adaptable to new assignments, as well as being a fast learner
- Responds to any task with a sense of urgency

References

Joey Rewa
Orange Glen Mathematics Teacher
(760) 716-6888

Adam Hebel
Co-Worker
(760) 580-1045



Adam Hebel

654 Borden Rd.
San Marcos, CA 92069
(760) 580-1045
hebel001@cougars.csusm.edu

Education

California State University San Marcos

Pursuing Bachelors in CIS

San Marcos, California

Graduate May 2020

Employment History

San Diego County Water Authority

San Diego, California

Senior Intern (directed other interns)

November 2016 - April 2019

Work duties consisted of responding to emails, working and scheduling events, solving IT issues in the department, collaborating on various tasks with other interns and staff, and training new incoming interns. Competing deadlines developed multi-tasking and time management skills.

Skills learned:

1. Strong communication.
2. Managing multiple tasks with competing deadlines.
3. Teamwork.
4. Team management.
5. Large and small scale event planning/execution.
6. Leadership.
7. Training

Accomplishments:

1. Created the Alumni portion to the Citizens Water Academy database using Access.
2. Scheduled various events for public outreach.
3. Created videos for innovation and engineering.
4. Edited and added information to the SDCWA website.
5. Designed and finalized retractable banners.



6. Trained 3 separate groups of incoming student interns.

Christine's Cleanse Corner

San Diego, California

Shipper

November 2014 - December 2016

Primary shipper work duties consisted of answering phones, packing customer orders, creating shipping labels, receiving shipments, and restocking product shelves.

Skills Learned:

1. How to handle multiple tasks.
2. Strong communication.
3. Teamwork.
4. Order tracking.

Accomplishments:

1. Setting up UPS and USPS label printers.
2. Troubleshooting computer issues.
3. Printer troubleshooting.

CSUSM CSS IITS

San Marcos, California

Student Labtech

November 2014 - December 2016

Primary duties involved: Solving any and all computer issues, On call for classroom support, managing helpspot, computer refreshes and reimaging, AV setup and troubleshooting, responding to emails and completing projects.

Skills Learned:

1. Managing multiple tasks with competing deadlines.
2. Strong communication.
3. Teamwork.
4. Ticket tracking.
5. AV troubleshooting.
6. Room wiring.
7. Windows troubleshooting.
8. Mac troubleshooting.

Accomplishments:

1. Quality assurance and setup at ELB.
2. Troubleshooting computer issues.
3. Creating remote rename script.
4. Conducting training for STH.



Key Skills

Soft Skills

Communication
Project Management
Team Leadership
Resourceful
Resilient
Adaptable

Hard Skills

Microsoft Excel:	Advanced
Microsoft Word:	Expert
Microsoft Access:	Advanced
Visio:	Expert
Microsoft Project:	Expert
Microsoft Publisher:	Expert
C++ Programming Language:	Advanced
Java Programming Language:	Intermediate
Computer Hardware:	Expert
SQL:	Intermediate

References

Teresa Penunuri

Supervisor
tpenunuri@sdewa.org

San Diego County Water Authority

Rene Huerta

Coworker
rhuerta@csusm.edu

California State University San Marcos

Craig Balben

Coworker
cbalben@sdewa.org

San Diego County Water Authority

Nydia Figueroa

Coworker
nfigueroa@sdewa.org

San Diego County Water Authority

Douglas Goss

Lead
dgoss@csusm.edu

California State University San Marcos