

# Deliverable 1:

## Team Description:

Team 3 comprises Josue Camilo, Danielle Rivas, Kyara Scott, Long Vu, and Jackson Wertz. Members of this team are either Juniors or Seniors in computer science, therefore have 3 to 4 years of experience in academic programming. Each member has a various level of experience and comfort in different programming languages(Listed Below). We hope each member will be able to bring their skills to the table to help this project succeed. Along with each team member listed, we have included their resumes.

### Each team member and their skills:

Josue Camilo - JAVA, C, C++(limited)

Danille Rivas - JAVA, RUST(limited), and ML

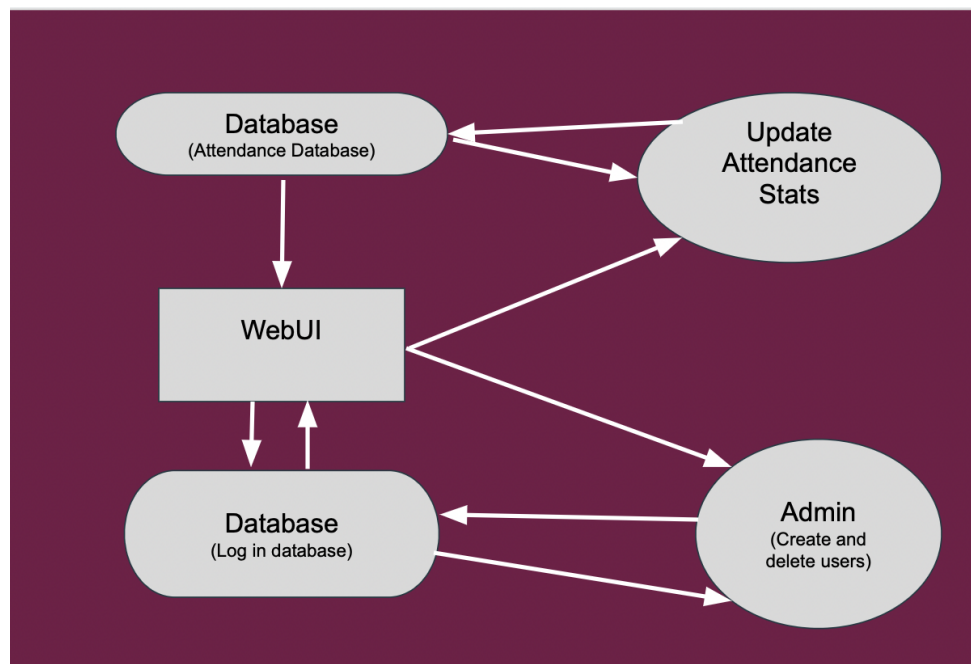
Kyara Scott - JAVA, Python(limited), C, and ML

Long Vu - Python, Javascript, and JAVA

Jackson Wertz - JAVA, C#, ML, and Python(limited)

## Chapter 1:

For this project our team's idea is to make an Attendance tracker. Our Vision is for the admin to be able to create a profile for each user, which can be logged into by the user using a username and password. (The admin creates the username and password. They also have the ability to add new users). Then the user will be able to log in everyday and mark their attendance. When the user logs in, their username, time-in, time-out, and date are saved to a database. Users should be able to view their times-in, times-out, attendance percentage when logging in (The admin will also have access to this information). This database will be connected to a cloud service. Through this, the admin can view the calculation of the attendance of each user. Users are not allowed to sign in as someone else, each user will have their own login information.



When using the attendance tracker the first step will be to log in. This will go to the log in database and if the username and password matches to one found in the database it will allow the user to enter the attendance tracker. At this point it will display the attendance data that is available to the student/professor. As stated previously the admin(professor) will be able to see all users' attendance as well as be able to create and delete users from the log in database. The final part of this project is updating the attendance. The user will be able to "check in" and "check out" of class. By doing so the information will be sent to update attendance stats (as well as the data already in the database) in order to update the attendance statistics. Once these new statistics are created they will be sent to the database to be stored and displayed to the user.

## Chapter 2:

The front end of the project or **Webui**, will be what the user sees when they are logging in and after they have logged in. This will prompt for their username and password. (A bad user name or password screen will pop up if a bad entry is entered?) After logging in, there will be a button/buttons to push for logging in and logging out. The user will also be able to see their previous entries on another page, as well as all of their classes. This will be written in JavaScript. The time in/out, date, and username/password for each user will be stored in the **Databases**, which will be connected to a **cloud service**. As of right now we are thinking of using mySQL for the databases. In the Backend, the admin will have access to every user's information, the user's calculated attendance score, and have the ability to create or delete new users. Whereas the users can only view their own information without the ability to add or create new users. For the backend we plan to implement this using Python as of right now.

# JOSUE CAMILO

West Reading, PA  
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## EDUCATION:

### **West Chester University**

*College of the Sciences and Mathematics | Bachelor of Science in Computer Science  
Computer Security Certificate*

**West Chester, PA**

*Graduation: December 2022*

### RELEVANT COURSES:

CSC 141: Computer Science I  
CSC 142: Computer Science II  
CSC 220: Foundations of Computer Science  
CSC 231: Computer Systems

CSC 241: Computer Science III  
CSC 241: Data Structures and Algorithms  
CSC 301: Computer Security & Ethics

### **Reading Area Community College**

**Reading, PA**

*August 2017 – December 2019*

### RELEVANT COURSES:

IFT 100: Intro to Information Technology  
PRG 100: Intro to Computer Programming (C++)  
WEB 100: Web Design I-HTML

NET 100: Computer Networking  
CSC 241: Data Structures and Algorithms  
PRG 260: Database Systems

## SKILLS:

Languages: Java, C, C++

Technologies: Eclipse, NetBeans, Visual Studio, GitHub, Linux, SPSS, Microsoft Office

## PROFESSIONAL EXPERIENCE:

### **University Student Housing**

**West Chester, PA**

*Front Desk Assistant*

*January 2022- present*

- Support the USH staff by effectively and efficiently performing administrative responsibilities as assigned.
- Managed package intake and distribution to residents, while also ensuring resident safety and security at all times.
- Assisted in opening and closing the building.

### **Make the Road Pennsylvania**

**West Reading, PA**

*Development & Communications Associate*

*May 2020 – January 2021*

- Assisted with fundraising events, social media, digital organizing, and data maintenance during election season.

### **GIANT Food Market**

**West Lawn, PA**

*Grocery Associate*

*July 2018 – January 2020*

- Answered questions related to merchandise. Applied customer service skills during customer assistance.
- Received, opened, unpacked and issued sales floor merchandise.

## EXTRACURRICULARS:

### **Cybersecurity Club**

**West Chester University**

*Member*

*September 2021 - Present*

- Learned common industry tools to utilize in the field (e.g., Wireshark, VeraCrypt, and Kali Linux).
- Honed in on cyber security discussions and related events associated with the future of the industry.

## **Danielle Rivas**

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Whitehall, Pennsylvania 18052

[daniellejivas@gmail.com](mailto:daniellejivas@gmail.com) • 610-554-9159 (mobile)

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### **EDUCATION:**

**West Chester University of Pennsylvania, West Chester, Pennsylvania**

**Expected graduation date: May 2022**

Bachelor of Science in Computer Science

Minor in Applied Statistics

Computer Security Certificate

GPA 3.72/4.0

**West Chester University of Pennsylvania, West Chester, Pennsylvania**

**Expected graduation date: May 2023**

Masters of Science in Computer Science

GPA 3.65/4.0

### **RELEVANT COURSES:**

- Operating Systems
- Data Communications and Networking
- Data Structures and Algorithms
- Computer Security I
- Foundations of Computer Science
- Software Engineering
- Computer Systems
- Software Security
- Discrete Mathematics

### **TECHNICAL SKILLS:**

- JAVA, Swift, React, OCaml
- HTML/CSS
- Python, C, Rust (beginner)
- NetBeans, VS
- Xcode
- GitHub
- React
- Microsoft Word and PowerPoint
- Terminal- Linux

### **EXPERIENCE:**

**West Chester University, West Chester, PA**

**Recreation Attendant**

**August 2021– Present**

- Ensure that patrons are aware of and following the safety policies of the building
- Communicate between coworkers as well as patrons
- Collaborate with small and large groups of coworkers for training and shifts

**Giant Food Stores, Allentown, PA**

**Customer Service Associate**

**May 2020 - Present**

- Build customer and employee connections to ensure that everyone feels welcome
- Work as a second in command to the front end supervisor
- Actively follows policies and procedures to prevent fraud
- Navigate multiple tasks at once in a fast pace environment

**Whitehall Township, Whitehall, PA**

**Camp Counselor**

**June 2019 -August 2019**

- Cared for elementary aged children in a fast pace environment
- Communicated regularly between coworkers, supervisors, children, and parents
- Ensured a safe and fun environment was maintained at all times
- Engaged in teamwork between coworkers.

### **LEADERSHIP:**

Women in Computer Science Club  
Hands Helping Paws

Vice President  
Volunteer Coordinator

**May 2020– Present**

**May 2020 – Present**

### **VOLUNTEER EXPERIENCE:**

- **Brandywine Valley SPCA**, West Chester, PA
- **The Sanctuary at Haafsville**, Breinigsville, PA
- **SkillsUSA Council**, Allentown, PA
- **Dakota Galusha Memorial Fund**, Northampton, PA

## Kyara Scott

scottkyara77@gmail.com · 610-308-4153 (mobile)

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### Current Address:

512 Hamilton St  
Norristown, Pennsylvania 19401

**Objective:** Seeking employment where I may not only use my skills in Computer Science and leadership to help the company grow, but to further my skills and experience.

### EDUCATION:

**West Chester University of Pennsylvania, West Chester, Pennsylvania**      **Expected graduation date: May 2022**  
**Bachelor of Science in Computer Science**  
**Cybersecurity Certificate**  
**Minor in Japanese and Chinese (Mandarin)**  
**GPA 3.69/4.0**

### RELEVANT COURSES:

- Object Oriented Programming
- Computer Security I & II
- Foundations of Computer Sci
- Data Structures and Algorithms
- Software Security
- Software Engineering
- Computer Systems
- Modern Malware Analysis
- Discrete Mathematics

### TECHNICAL/NON-TECHNICAL SKILLS:

- Proficient in Japanese and Chinese
- Agile and Scrum
- C, JAVA, Python, ML, Assembly
- Netbeans, Eclipse, VS
- GitHub and Bitbucket
- Linux and Centos
- GDB
- Jira, Confluence, Jenkins
- WireShark

### PROJECTS:

**Tools for L3Harris Technologies**      **Software Engineer Intern**      **June 2021- August 2021**  
• Collaborated with a team of engineers to build a tool for L3Harris Technologies to analyze their Aviation systems.  
**JAVA Video Game**      **Head Programmer**      **August 2019-August 2019**  
• Designed a Java video game which required the player to move around and collect coins. • Prepared a video presentation which explained the purpose of the code and how our game ran.

### EXPERIENCE:

**L3Harris Technologies, Herndon VA**      **Software Engineer Intern**      **June 2021 - August 2021**  
• Intern for two FAA NextGen Airspace Modernization Programs where I developed applications in C to characterize system performance by analyzing air-traffic and weather data and troubleshooting for missed uplinks between ground stations and ADS-B equipped aircraft.  
• Collaborated with a small team to plan sprints and assign tasks to each member.  
**Weis Markets, East Norriton, PA**      **Sales Associate**      **May 2020 - January 2021**  
• Advising the best and most fresh products to customers to ensure a quality sell.  
• Ensuring freshness of product by checking their date of and donating extra products to charity.  
• Organizing the next day's layout needed: preparing the breads for baking in the morning.

### LEADERSHIP:

**Asian Student Association**      **Vice President**      **May 2019– May 2021**  
• Recruit members into the club and survey their interest in club activities.  
• Coordinated a trip to New York city which involved 30 students.

- Manage the club when the president is unable to.

**Japanese Club**

**Treasurer**

**May 2020 – May 2022**

- Responsible for organizing and financing events for the club
- Manage the club's finances to make sure we never went over budget on purchases

**ACTIVITIES/AWARDS:**

- **Awarded Board of Governors Scholarship**

**Recipient**

**March 2018– Present**

- **Japanese Tutor**

**Tutor**

**September 2021- Present**

# Long Vu

[hi@vulongm.com](mailto:hi@vulongm.com)  
<https://github.com/vulongm>  
<https://www.linkedin.com/in/vulongm>

## Education

West Chester University of Pennsylvania | West Chester, PA GPA 3.47/4.0  
Degree: Bachelors of Science in Computer Science August 2019 - May 2022  
Minor: Geographic Information Systems (GIS)  
Certificate: Computer Security  
Completed Courses: Data Structures & Algorithms, Computer Security & Ethics, Data Communications and Networking, Introduction to GIS, Computer Security, Software Engineering, Programming Language Concepts/Paradigm

## Skills

Languages: JavaScript, Python, Java  
Technologies: React.js, Node.js, Django, Git, Linux, Docker, REST APIs, GraphQL, PostgreSQL, ArcGIS

## Experience

Lionbridge Technologies

Desktop & Mobile Search Reviewer February 2019 - July 2019

- Worked remotely to evaluate product quality and online search results in order to improve their content and quality by providing more relevant and interesting results to end users in the United States

## Projects

Recipe Card December 2021 - Present

- Created a frontend recipe listing site using React.js with Redux, JSX, and CSS allowing users to create new recipes and share them with others
- Built a backend server using Python, Django, and PostgreSQL to store user and recipe information

## Involvement

Cybersecurity Club | West Chester University

Member February 2021 - Present

- Learning about common industry tools like Wireshark, VeraCrypt, and Kali Linux
- Discussion of cybersecurity related topics with other club members including current events

Computer Science Club | West Chester University

Member August 2019 - Present

- Hosted workshop on GitHub and git commands for various operations such as creating a new repository, pull requests, commits, and branches
- Learning about various practices such as unit testing in the industry from guest speakers and other students



# Jackson Wertz

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Motivated student who demonstrates a strong work ethic and excellent problem-solving skills. Seeking to apply my experience and passion for software development at a summer internship where I can grow as a person, learn more about the industry, and create an ever-lasting impact that is greater beyond myself.

## Education

West Chester University | 2019 – 2023  
Bachelor of Science in Computer Science | West Chester, PA  
Certificate: NSA/ABET Computer Security Certificate  
Dean's List: Fall 2020, Spring 2021

## **Relevant Coursework:**

- CSC 141-240: Computer Science 1-3
- CSC 231: Computer Systems
- CSC 241: Data Structures and Algorithms
- CSC 335: Data Communications and Networking
- CSC 345: Programming Languages
- CSC 402: Software Engineering
- CSC 472: Software Security

## Skill Summary

**Programming Languages:** Java, C#, C, Python, Ocaml

**Technical:** Github, Windows, Terminal, Computer Building, Maintenance, Troubleshooting, UML, virtualization platforms (VirtualBox), Understanding of basic network protocols, and Unity Game Development Software

## Previous Work Experience

**Giant Food Stores:** Front End Cashier | Summer 2021 – Still Employed

**Technical:** Learned how to work as a team and solve problems, while also delivering optimal customer service in a fast paced environment.

## Personal Projects

**Text-Based Blackjack Game** | 2018 | Coded in Java

- Inspired by Fallout: New Vegas's Blackjack Table
- Used Advanced Object-Oriented Programming and Data Structures to simulate a deck of cards being shuffled and drawn from

**Simple Legend of Zelda** | 2019 | Coded in C#

- Simple Game created with Unity Game Development Software
- Used C# scripts and Unity Engine, including hitboxes, collision triggers, and physics, to make a simple multilevel *Legends of Zelda* game