

Mitchell Anthony Victoriano

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EDUCATION

San Jose State University, San Jose, CA

BS Mechanical Engineering

Fall 2014 – Spring 2019

Minors: Computer Science, Mathematics

GPA: 3.7

Dean's Scholar 2016 - 2019

Tau Beta Pi (Engineering Honors Society) – SJSU Eta Chapter

UNIQUE COURSEWORK

Upper Division: Partial Differential Equations, Linear Algebra I, Intro to Graph Theory, Numerical Analysis and Scientific Computing, Server-side Web Programming

SKILLS

Technical: Full-Stack Web Development (HTML5, CSS3, JavaScript, PHP, MySQL), C, Java, Adobe (Photoshop, Premiere, Lightroom)

Languages: Japanese – Intermediate Proficiency (JLPT N4-N3)

PROJECTS

Decryptoid Web App

Spring 2019

- Built a web page that allows for users to sign up and log in and remembers logged in users using a secure Session mechanism
- Created a web application that allows for encryption and decryption of submitted text using Simple Substitution, Double Transposition, and RC4 ciphers
- Managed a MySQL database that stores logged in users text submissions, cipher used, timestamps, and user accounts in a secure manner

Biomass Fuel Synthesizer Subsystems

Fall 2018 – Spring 2019

- Developed a Full-Stack web application that received data from an Arduino that organized and visualized data from a MySQL database
- Created a Data Collector using an Arduino that collected data from 8 different sensors over a 24-hour period
- Saved timestamped sensor data to an SD card and sent to a Web Server for data visualization

IMDb TV Graph

Fall 2018

- Developed a web application that allows for the user to search for a TV show and it creates a visual representation of each episode rating for each season with trendlines using IMDb data
- Included statistical information such as trends, best/worst for each episode and season, and standard deviation

EXPERIENCE

Goal Oriented Academics & Learning Sciences (GOALS) – Mathematics Tutor

Fall 2017

- Facilitated group and 1-on-1 tutoring in High School math subjects including Algebra I and II, Geometry, Pre-Calculus, and Calculus AB and BC
- Created grade level examinations and curriculum according to Common Core State Standards for Mathematics
- Managed IT computer maintenance including software installation, hardware repair, and troubleshooting