

Christopher Maytom

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Education:

University of California San Diego
Bachelor of Science in Computer Science

GPA 3.97

Graduation Date: June 2020

Work Experience:

- **Web Developer Intern**, Datapulse San Diego Sept. 2017
 - Worked on **Data Processing Web App** used to improve processing clinical trial data
 - Tools: JavaScript, HTML, CSS, Node.js
- **Mobile App and Embedded Developer**, PAQ Feb. 2018 - June 2018
 - Developed **embedded** software for a wearable device that enables sleep tracking functionality and **BLE** data transfer
 - Developed **Mobile App(iOS and Android)** that configures and visualizes data for a sleep tracking wearable device that is connected via **BLE**.
 - Tools: Keil, Xcode, C, C++, Swift, nrf51 dk, Android Studio, Java

Projects:

- **Android Application:** Flashback Music Player 2018
 - Developed an **Android** application with a **team** of 5 other students that enables users to listen to playlist generated live using the current user's data, location and time of day
 - Tools: Android Studio, Java, Firebase, Google Play Services, Zenhub, Agile
- **Hidden Markov Model:** Compute parameters given a sequence 2018
 - Wrote a program that computes the parameters of a **Hidden Markov Model(HMM)** given a sequence generated by a HMM
 - Tools: python
- **Classification Project:** Predict Article Category Based Upon Title 2019
 - Used multiple techniques including **Logistic Regression, SVM** and **K-nearest-neighbors** to predict the categories of Medium Articles given their titles
 - Tools: python, jupyter notebook, pandas, numpy, sklearn, scipy, nltk

Technical Skills:

Programing Languages: Java, Python, SQL, HTML, CSS, JavaScript, C++

Tools: VS Code, Android Studio, Xcode, Eclipse, Vim, jupyter notebook

Library/Framework: JDBC, Numpy, Pandas, JSP, Firebase, PyTorch, Github Actions, Node.js

Leadership Experience:

- **Technology Chair:** Tau Beta Pi 2019 - Present
 - Maintained and updated organization's **website** and point tracking **web application**
- **Lead DevOps**, CSE 112 Spring 2020
 - Responsible for getting my team of 3 students to establish guidelines and setup **CI** and **CD** pipelines which enabled our larger team to maintain code quality and test coverage

Relevant Courses:

CSE 150 - Intro to AI: Probabilistic Reasoning and Decision Making

CSE 151 - Intro to AI: Statistical Approach

CSE 158 - Recommender Systems & Web Mining

CSE 125 - Software Systems Design & Implementation

Organizations:

- **Tau Beta Pi Honors Society - UCSD** 2018 - Present