Matthew Chinn

Goal: To apply and expand my programming skills in a summer internship.

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Education

The University of California, San Diego — Expected Graduation: *June 2018*
Bachelor of Science, Computer Science - **Total GPA: 3.8**
Minor: Economics

Employment History

UCSD Computer Science Department, *Tutor* — **2015 - Present**
Tutored an Introduction to Java and a Computer Organization & Systems Programming (C and Assembly) course. Gained experience leading discussion sections and a small study group. Assisted students with programming questions during lab hours or online. Graded programming assignments, quizzes, and exams. Also tutored AP Computer Science privately.

Digital Media Academy, *Teacher Assistant* — **July 2015**
Courses included Java Programming for Minecraft Modding and Introduction to Programming with Scratch. Provided one-on-one instruction to students in need. Led break-time activities and supervised during lunch.

Leadership

Webmaster, *Alpha Phi Omega* — **January 2016 - Present**
Appointed to a position on the executive board to manage the organization's website, including bug fixes and improvements. Dealt with member requests in a timely manner. Headed a committee. Projects are described below.

Finance Chair, *Alpha Phi Omega* — **January - March 2015**
Elected to my pledge class executive board. Led a committee to raise $1000+ through fundraisers such as restaurant coupons, pie deliveries, and face pie-ing.

Projects

Alpha Phi Omega Website Features — *Ruby on Rails*
Created a feature that combines data from the server and user input into a cohesive requirement tracker to vastly improve both ease of use for members, as well as the executive board members in charge of reviewing them. Built a forum to facilitate formal organization discussions to replace an outdated one and integrate with the new website's member accounts.

Palace Card Game — *HTML / CSS / Javascript*
Implemented an online version of a card game to practice web development. Created a simple AI to play against the user. Playable at *http://matthew-chinn.github.io/palace*. Code viewable on Github.

Workout Android Application — *Java / XML*
Made an Android app to get exposure to mobile development. Allows the user to record workout data, view history, and send emails containing that day's workout statistics. Code viewable on Github. Pictures viewable on my website.

Skills

Proficient: Java, HTML, CSS, Javascript, Git/Github
Experience: Ruby on Rails/Ruby, jQuery, C/C++, UNIX

Courses

- Discrete Mathematics
- Mathematics for Algorithms & Systems
- Basic Data Structures & OO Design
- Software Tools & Techniques Laboratory
- Computer Organization & Systems Programming
- Advanced Data Structures
- Theory of Computability
- Software Engineering
- Components & Design Techniques for Digital Systems
- Digital Systems Laboratory