Charlie Wang

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EDUCATION

Carnegie Mellon University - Information Networking Institute, Silicon Valley, CA   **Expected Grad: 05/2017**
The School of Computer Science and College of Engineering   GPA: 3.76/4.00
M.S Information Technology and Software Management
Scholarship recipient of over $25,000

University of California, San Diego, La Jolla, CA   Grad: 06/2015
B.S. Computer Science & B.S. Biochemistry

WORK EXPERIENCE

Software Engineering Intern, Google, Mountain View, CA   05/2016 – 08/2016
Project: CAHP (System health analytics aramework for Android communication apps)
- Gathered requirements of **9 different Google apps** in order to scale CAHP, making it extensible
- Produced **design documentation** detailing feasibility and development process of project
- Produced "**codelab**" and use cases in order to guide users of the framework
- Designed and developed analytical framework to collect **system health data on Android** devices
- Scaled CAHP for **9 different Google apps** including Project Fi, Google Hangout, etc.
- Integrated data visualization for regression analysis between app builds and releases
- Automated data collection to run on scalable infrastructure (**50+ devices**)
- Worked with complex build/deployment infrastructure **at large scales**

Full Stack Software Engineering Intern, Simply Hired, Sunnyvale, CA   06/2015 – 09/2015
Project: Employment Data Analyzer
- Surveyed customers for application features which impacted job search the most (Location)
- Developed web application to analyze over 6 million raw job entries and geographically locate employers
- Implemented a portion of the job profiling module to automatically "geo-tag" data obtained from web crawlers

Software Development Intern, West Health Institute/Westech, La Jolla, CA   06/2014 – 06/2015
Project: Database and Workflow Design and Implementation
- Lead intern in design and development of a clinical distribution system (CDS) in effecting affordable health care
- Participated in key design decisions concerning the messaging schema, patient information, workflow logic
- Assisted in developing the database layer and object-level representation of patient data

LEADERSHIP & MANAGEMENT EXPERIENCE

Lead CSE Student Tutor, UCSD, La Jolla, CA   08/2014 – 06/2015
- **Tutored over 200 undergraduate** students in the theory and application of computer science
- Led discussions and lab sections for fellow undergraduates for completing their assignment
- Assisted fellow undergraduates in programming projects with HTML, Javascript, CSS, Alice

Finance Secretary – Alpha Phi Omega, UCSD, La Jolla, CA   09/2013 – 06/2014
- Took charge of finances for the premier community service fraternity of **over 150 students**
- Developed programs and hosted events to raise funding for the chapter
- Facilitated weekly meetings to better communication between board members and students

Leadership Programs Intern, Asian Liver Center, Stanford School of Medicine, Palo Alto, CA   06/2012 – 08/2012
Project: Annual Youth Leadership Conference
- Conference Executive for over 30 undergraduate and graduate staff members
- Managed **over 100 exceptional high-school** students

Projects & Coursework (Ongoing)

Coursework: Software Engineering Managment (CMU)
- In depth analysis of product management principles in current software-based companies
Project: ClearChat (Personal)
- Web application for Facebook Messenger to facilitate efficient group chat experience