

Charlie Wang

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EDUCATION

Carnegie Mellon University - Information Networking Institute, Pittsburgh, PA – Silicon Valley, CA

05/2017

The School of Computer Science and College of Engineering

GPA: 3.52/4.00

M.S Information Technology and Software Management

Scholarship recipient of over \$25,000

University of California, San Diego, La Jolla, CA

06/2015

B.S. Computer Science & B.S. Biochemistry

GPA: 3.37/4.00

WORK & LEADERSHIP EXPERIENCE

Full Stack Software Engineering Intern, Simply Hired, Sunnyvale, CA

06/2015 – 09/2015

Project: Employment Data Analyzer

- Provided job seekers accurate employment opportunities that are within their immediate location
- 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
- Designed algorithms to accelerate job lookup and data manipulation

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
- Assisted in developing the central workflow business-logic and messaging schema between web services
- Assisted in developing the database layer and object-level representation of patient data

Lead CSE Student Tutor, UCSD, La Jolla, CA

08/2014 – 06/2015

- Tutored undergraduate students in the theory and application of computer science
- Led small discussions and lab sections for fellow undergraduates for completing their assignment
- Assisted fellow undergraduates in programming projects with HTML, Javascript, CSS, Alice

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
- Offered to return the following summer to architect a larger leadership conference

Undergraduate Researcher, UCSD School Of Pharmacology, La Jolla, CA

09/2011 – 07/2013

Project: Molecular Networking Database

- Lead member in maintaining molecule data which increased efficiency for staff researchers
- Allowed chemists to access their mass spectral data within seconds
- Hands on experience with PostgreSQL and MySQL databases

Projects (Ongoing)

Project: Interactive Interest Map (CMU)

- Web application which pools user interests based on location

Project: Boolean Retrieval Search Engine (CMU)

- Search engine for 550,000 documents indexed via Lucene

Project: BartApp (Personal)

- Android application to make use of public transportation BART more convenient

Technical Skills

Languages: Java, Javascript, Python, HTML, CSS, SQL, ReQL

Frameworks: Django (REST), Maven, Hibernate, JBPM, Android, AngularJS(On-Going)

Libraries/APIs: Bootstrap, Pure, JQuery, Google Maps/Places API, Open Street Maps, BartAPI

Tools: Eclipse, IntelliJ, RethinkDB, Redis, Elasticsearch, AWS, Postgres, MySQL, TCP/IP, Lucene, Facebook SDK

Software Development: Agile, Git, SVN, Unix, MacOS, Windows, Linux