Richard Huang

5032 Forbes Avenue, SMC 3792
Pittsburgh, PA 15289
(201) 281-6121 ☏ rahuang@andrew.cmu.edu

Education

Carnegie Mellon University	Pittsburgh, PA
Bachelor of Science in Information Systems, Minors in Computer Science and Business Administration	May 2018

- GPA: 3.80

Certifications/Skills

- **Certifications:** Cisco CCNA Networking for Home and Small Business 4.0, Cisco IT Essentials-PC Hardware and Software
- **Tools:** Eclipse, Oracle, Access, Heroku, AWS S3/EC2, Jenkins, Tomcat, Linux, Sharepoint, Visio, VirtualBox
- **Frameworks:** Ruby on Rails, Django, Backbone, Selenium, Mocha/Jasmine, Pytest, RSpec, QlikView
- **Languages:** Java, Python, Ruby, SQL(MySQL, PostgreSQL), JavaScript/CoffeeScript, CSS, HTML, C, PERL

Relevant Experience

University of Pittsburgh Medical Center (UPMC)	Pittsburgh, PA
Data Governance Consultant	November 2015 – Present

- Designed a normalized and generalized structure (ERD) for modelling the data within UPMC and their services.
- Developed full stack web application using Ruby on Rails to help govern and manage medical data.
- Built data analytics and visualization dashboards using D3 to find pain points and do impact analysis.

Kyruus	Boston, MA
Software Engineering Intern	May 2015 – August 2015

- Built patient doctor booking system with Backbone, Cofeescript, and Gulp.
- Developed new features for the main patient doctor search engine, with Ruby on Rails and Node modules.
- Created complete testing suite using Selenium, Pytest, RSpec, Sinon/Jasmine.

Morgan Stanley	New York, NY
Data Analyst Intern	Sept. 2013 – Aug. 2014

- Worked on maintaining and updating the Teradata and Greenplum databases and data warehouses.
- Created dynamic data visualization web-tools using Javascript, Jquery, D3, PERL, HTML, and CSS.
- Implemented multiple data validation and analytics web applications and cgi pages.

SongDrop.me	Pittsburgh, PA
Chief Technology Officer	Feb. 2015 – January 2016

- Co-founded a startup in the Project Olympus incubator that promotes lesser known song artists and their work.
- Developed the frontend website and backend database for main product.

Ward Home	Pittsburgh, PA
Data Analyst (Volunteer)	Oct. 2014 – May 2015

- Built data analytics and management tools and maintained the database for this charitable organization.

Extracurricular Activities

ENACTUS – Citizen's Empowerment, Project Leader	Sept. 2015 – Present

- Organized and taught professional technical courses at Veterans Leadership Program.
- Developed the curriculum for the courses and ran weekly club meetings.

ArduSat Satellite and High-Altitude Balloon, Lead Programmer	Sept. 2013 – June 2014

- Managed the programming aspect of this Arduino based satellite project that have been launched on November 2013.

American Computer Science League, Team Captain/President – 9th Place International	Sept. 2012 – June 2014

- Led and trained school team for the international ACSL computer algorithms competition.

Milk Line, President	Sept. 2014 – Present

- Co-founded a business/start-up club that conveniently delivers a healthy breakfast to students around campus.

Delta Tau Delta, Treasurer	Oct. 2014 – Present

- Managed all the funds for the Fraternity and created the budget for all the departments as well as fraternity chef.

Awards

IBM Master the Mainframe Competition – 1st Stage International Winner	Sept. 2010 – June 2014
Global Enterprise Challenge – 5th Place Nationally for this Entrepreneurship Competition	June 2013
United States of America Computing Olympiad – Silver League for this Algorithms Competition	Sept. 2012 – June 2014
BitCamp Hackathon 2015 – Best Use of Capital One's API and Best UI Design (Goldman Sachs)	April 2015