Frank Chan

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EDUCATION

Cornell University, College of Engineering, Ithaca, NY.
Candidate for Bachelor of Science in Computer Science   Expected May 2018
Dean's List for 3 semesters, GPA 3.89

The Bronx High School of Scienze, Bronx, NY. Diploma   June 2014

RELEVANT COURSEWORK

Object-Oriented Programming and Data Structures, Discrete Structures, Functional Programming, Digital Logic and Computer Organization

EXPERIENCE

Cornell Engineering World Health Project Team   Ithaca, NY
Software Engineering Team   Fall 2015 – Present
- Work in a small team of five on a MEAN stack web application to remotely monitor water quality in wells in India
- Dynamically load incoming data into MongoDB and update data visualization of D3.js charts on the frontend through http requests written using Node.js and Angular.
- Redesign the project team's website to act as the face of Cornell Engineering World Health

Cornell Office of Academic Diversity Initiatives Mobilizers Program   Ithaca, NY
Communications/Web Developer   Fall 2015 – Present
- Develop the Cornell First in Class website using HTML, CSS, PHP, and jQuery.
- Connect and query a MySQL database to display upcoming events and daily news and information.
- Create PHP scripts and forms to allow coworkers to upload new information to the website through the frontend.

NYC Department of Health & Mental Hygiene   Long Island City, NY
Quality Assurance Software Intern   Summer 2015
- Developed automation scripts in Java using Selenium WebDriver for regression testing of web applications to be used by up to 8.4 million people in New York City.
- Tracked bugs in HP Quality Center and performed rigorous functional testing for new builds of a mobile/web application to be deployed and used regularly by 30 members of the department.
- Performed backend database validation for web applications using SQL scripts.

Early Adopter Network   Remote Internship
Quality Assurance Tester   Spring 2015
- Performed functional testing on web and smart phone applications to be used by an entire college campus.
- Participated in customer research projects aimed at providing startups and other companies information about potential customers for their products.

SKILLS

Programming Languages
- Proficient in Java, OCaml, JavaScript, C#, SQL, HTML, and CSS
- Experience in Python and PHP

Software
- Experience with Microsoft Visual Studio, HP LoadRunner, and Microsoft SQL Server 2012
- Proficient in Microsoft PowerPoint, Microsoft Word, and Microsoft Excel

PROJECTS

LeafDB: A local storage system implemented in OCaml that uses SQL-like commands to query
pyDuctor: A python program to control music volume and tempo with hand motions using the LeapMotion device