Aaron Lin

US Citizen | Buffalo, New York · aaronchanlin@gmail.com · (408)307-3043 · aaronlin.org

About Me

Programming:	Python, Java, C++
Analytics:	SQL, Granta MI, Tableau
Web/Media:	Django, React, HTML/CSS/JS, Photoshop, Premiere Pro

Experience

EWI, Buffalo Manufacturing Works — Buffalo, NY
Software Engineer Intern — June 2019 - August 2019

- Created database application for entry of materials data using Django, Python and GRANTA MI
- Designed and developed dashboard/interface in templates for database application supporting many engineering data files including csv, logs and industrial level equipment such as x-ray and microscope scans improving the user usability and features
- Refactored and restructured a new model for the entire code base by teaching myself the Granta MI API, massively improving code reusability and readability improvements
- Developed unit tests, test suites and created debugging environments leading to faster completion of user stories and features in main project
- Parsed and analyzed scanned data from database application for the launching of a satellite: (AEHF-5) Atlas V rocket

Google via Vaco — San Francisco, CA
Google Student Innovator — August 2018 - June 2019

- Mentored students through weekly workshops and code-reviews to a wide spread adoption of Google Cloud in their personal projects and homework assignments through self taught Google Certification Programs such as Core Infrastructure and Associate Cloud Architect
- Presented a multifaceted Google Cloud project persuading senior-level IT professionals at Educause 2018 amongst 300 other exhibitors, top institutions and corporations
- Directed large-mass events generating over 3,000 attendees and securing an email database of over 5,000 leads. Across events maintained a near 99% student capture rate in the computer science students studying at SUNY University at Buffalo, tracked using a breadth of Google analytics and form data

St. Columban's on the Lake — Silver Creek, NY
Web Dev and Data Analytics Intern — June 2014 - September 2014

- Designed and built front-end for a non-profit senior rehabilitation center using Joomla
- Presented project overview and redefined multiple metrics to find best ROI in web dev project
- Analyzed database and restructured systems to increase overall workflow and processes
- Implemented queries that cleared database bottlenecks, leading to the finding of over 500 inaccurate records

Projects

Budget Bud *Google Firebase, html/js, PHP*
Web app to assist users in calculating budgets, expenses. Used OAuth to create an account, users can input their financial data using csv, excel or json that generate graphs and offer tracking, suggestions and tools to financial stability. Uses a noSQL database, secure authentication and hashing.

Twitter Effect *node.js, express.js, Dialogflow, IBM Watson*
Developed API at BrickHack 4 to allow users to ask Google Assistant for a tweet using custom queries. Used machine learning algorithms to curate content for users in a custom built server and database.

Education

University at Buffalo — Buffalo, NY
Bachelors of Computer Science & Minor in Communcations *GPA: 3.3* — September 2016 - May 2020

Awards and Recognition

High Achieving Student Provost Scholarship, President's Circle Study Abroad Scholarship, First Generation Student Scholarship