

JACKY LEE

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EDUCATION

University of California, Irvine – Bachelor of Science in Computer Science

Expected Mar 2019

Overall GPA: 3.375 Major GPA: 3.684

EXPERIENCE

Bloomberg – Software Engineer Intern

(Summer) Jun 2018 – Aug 2018

Skills used: C++, Google Test, Python

- ❖ Rewrote business logic for Malaysia bond parser for the Real Time Market Data and Feeds team.
- ❖ Focused on test driven development, performance optimizations, and utilizing standard components.
- ❖ New parser added ability to display traded bond volume as well as meeting latest team standards.

Amazon – Software Development Engineer (SDE) Intern

(Summer) Jun 2017 – Sep 2017

Skills used: Python, Flask, JavaScript, HTML, CSS, AWS, DynamoDB, S3, full stack web dev

- ❖ Developed new feature for Personalization teams to visualize metric data that measures business impact.
- ❖ Implemented back-end design for distributed jobs processing and front-end UI and graphs.
- ❖ Feature supported over 30 business metrics and will replace an older tool that only contained 4 metrics.

ViaSat – Software Engineer Intern

(Summer) Jun 2016 – Aug 2016

Skills used: C#, SQL Server, .NET, JavaScript, HTML, CSS, data visualization, full stack web dev

- ❖ Developed feature to authenticate and authorize users for an internal statistical analysis web app.
- ❖ Created SQL Server schema, procedures, web API, and front-end to allow user to control access.
- ❖ Feature helped teams control access to its data better. Previously viewable to all employees with url.

NASA Jet Propulsion Laboratory – Software Engineer Intern

Aug 2015 – May 2016

Skills used: JavaScript, HTML, CSS, AngularJS, data visualization, front-end web dev.

- ❖ Developed an internal web app to see launch vehicle specs, filter launch opportunities, and mission docs.
- ❖ Created data visualization to compare launch vehicles performance and fetched data using REST API.
- ❖ Project presentation and demo to management helped secure funding to add staff to the project.

NASA Glenn Research Center – Software Engineer Intern

(Summer) Jun 2015 – Aug 2015

Skills used: C#, .NET, WPF, physics simulator (Systems Tool Kit)

- ❖ Developed a new solver feature for a satellite link assessment tool to easily run scenario analysis.
- ❖ Implemented a new dynamic background irradiance calculation using simulated view of ground receiver.
- ❖ Solver feature eliminated need to rerun scenarios to get desired values. Users simply set target values.

NASA Jet Propulsion Laboratory – Student Independent Research Intern

Sep 2014 – Dec 2014

Skills used: MATLAB, Linux

- ❖ Developed UI for data validation scripts relating to data collected from an airborne spectrometer.
- ❖ Refactored scripts to an OOP style to eliminate duplicate code and improve maintainability.
- ❖ Easier for users to use GUI compared to previous command line scripts.

SOFTWARE SKILLS

- ❖ Python, C++, Java, JavaScript
- ❖ MySQL, SQL Server, DynamoDB
- ❖ HTML, CSS
- ❖ Linux, Git, BASH Scripts

PROJECTS & ACTIVITIES

- ❖ Hobby projects such as a web app that web scraps and summarize latest internship posting.
- ❖ Presented summer internship project at conference during 2015 International Astronautical Congress.
Abstract Link: <https://tinyurl.com/jbjgpzf>
- ❖ Awarded NASA Community College Aerospace Scholars, Fall '14