

Julian Joshua Komala

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EDUCATION

University of California, San Diego — B.S. Computer Science

Expected Graduation: June 2018

Major GPA: 4.00

Cumulative GPA: 3.89

Relevant Courses:

Software Engineering | Theory of Computation | Design and Analysis of Algorithms | Human-Computer Interaction Design | Principles of Computer Operating Systems | Advanced Data Structures | Software Tools and Techniques

EXPERIENCE

NASA Jet Propulsion Laboratory — Software Engineering Intern

June 2016- September 2016

- Developed an internal website for employees to create templates and generate official NASA documents such as Excel Spreadsheets, PowerPoints, or Word Documents.
- Created a feature for employees to add metadata to document templates for optimized search and lookup.
- Implemented front end using HTML, CSS, and JavaScript, while using a combination of Flask, PostgreSQL, Java Play Framework, and Amazon Web Services in Docker containers for backend
- Migrated PostgreSQL database into Elasticsearch to enhance speed and quality of search queries

PROJECTS

Food for Thought Web Application

September 2016- December 2016

- Designed and implemented a web application for UCSD students to view nutrition facts and prices from multiple campus restaurants into one integrated application
- Deployed on Heroku using Node.js, Express, and Handlebars for backend
- Integrated Bootstrap and UI Kit for front end design alongside custom HTML, CSS, and JavaScript layouts

joshuakomala.me

February 2016- Present

- Custom built website using HTML, CSS3, and Javascript

SKILLS

Java, C, C++, HTML, CSS, Javascript, Git, Vim, Valgrind, Unix, Elasticsearch, jQuery, PostgreSQL, Node.js, Bootstrap, Express

Organizations

Phi Delta Theta Fraternity
- Founding Father

UCSD Men's Ultimate

Hobbies/Interests

