Devon Grove

devongrove.com
djgrove@calpoly.edu | 425-999-1114

EDUCATION

CALIFORNIA POLYTECHNIC STATE UNIVERSITY

BS in Computer Science
December 2018
Minor: Economics
NCAA Cross Country/Track & Field
All-Academic Team, Big West Conf.
Cum. GPA: 3.31
Major GPA: 3.37

SKILLS

PROGRAMMING

Proficient:
PHP • Python • C/C++ • MySQL
Comfortable:
Bash scripting• HTML/CSS • Java
Familiar:
JavaScript/Angular/NodeJS/Express • Firebase/NoSQL

TOOLS / FRAMEWORKS

Git • Unix/Linux • Docker • Agile development • Drupal • jQuery • Atlassian suite • Postman
AWS Cloud: EC2, RDS, S3, IAM, Lambda, API Gateway

COURSEWORK

UNDERGRADUATE

Operating Systems
Programming Languages
Database Systems
Systems Programming
Design and Analysis of Algorithms
Software Engineering
Discrete Structures
Econometrics
Intro to Security
Senior Project: Containerizing Drupal using Docker & AWS ECS

LINKS

Github:// **djarbo**
LinkedIn:// **devongrove**

EXPERIENCE

SENIOR STUDENT ASSISTANT | Cal Poly IT Services -- Drupal

Mar. 2017 – Dec. 2018 | San Luis Obispo, CA

- Spearheaded project to containerize Drupal application using Docker to allow for local developer environments, improve workflow and continuous integration
- Automated manual stages of deployment process by writing dozens of PHP and Bash scripts to improve team efficiency and ticket throughput
- Wrote extensive Wiki documentation and comments to develop reusable code
- Identified and recommended important system updates to modules and libraries, oversaw testing procedures to avoid use of deprecated third-party tools
- Maintained usability standards for 150+ Drupal-managed sites using Regular Expressions, Drupal API, and MySQL queries to identify and correct broken content

SOFTWARE ENGINEERING INTERN | DASH Platform

Summer 2015 & 2016 | Bellevue, WA

- Developed in LAMP stack web application using CakePHP-based MVC framework
- Collaborated using Agile methods in Atlassian Jira project tracking and Git
- Implemented five feature enhancements using PHP, jQuery, JavaScript, and AJAX
- Familiarized self with code base, project stack, architecture by debugging over thirty application bugs
- Simulated Linux production server environment on MacBook Pro using Vagrant

PROJECTS

TWENTY ONE PYBOTS | Personal Project

November 2018 – ongoing
Built backend API to generate lyrics in the style of a given musical artist. Minimized compute time and costs while maximizing uptime by running API endpoint using **AWS API Gateway** to trigger **AWS Lambda** functions written in **Python 3**. One private (personal) endpoint used for web scraping and caching of machine learning model into **AWS S3** bucket, one public endpoint used for lyrics generation from previously cached artists. Debugged endpoints using **Postman**. Actively learning **Angular 6** to develop client-facing components.

VNTR | Cal Poly Camp PolyHacks Hackathon

January 2017 – February 2017 | San Luis Obispo, CA
Developed **VNTR**, a cross-platform mobile application using Ionic framework and Angular 4 on four developer team in 24-hour period. By becoming competent with two unfamiliar technologies in a very brief time frame, I implemented three application components and routes used in the final prototype.

MUSTANG MARKS | Cal Poly Design & Dev Hackathon

January 2016 – May 2016 | San Luis Obispo, CA
Mustang Marks was a ground-up redesign of an existing student-run ratings website, PolyRatings, in a 24-hour hackathon in team of six developers, two designers, one marketer. Initially collaborated with designers on new UI. Expanded project in following months to structure full MySQL database schema. Wrote web scraping tool to aid in import of database construction using Node.js and later Python with BeautifulSoup4.

LEADERSHIP

2015-2018   Outreach Chair   Cal Poly Student-Athlete Advisory Committee