

# Devon Grove

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## EDUCATION

**CALIFORNIA  
POLYTECHNIC  
STATE UNIVERSITY,  
SAN LUIS OBISPO**  
B.S., COMPUTER SCIENCE  
MINOR, ECONOMICS  
December 2018  
GPA: 3.3  
Major GPA: 3.4

## AWARDS

**NCAA Big West Conference:**

- All-Academic Team
- 1st Team All-Conf Cross Country
- Runner-up, Men's Steeplechase
- Outreach chair, Cal Poly Student-Athlete Advisory Committee

**WIAA:**

- State Champion, Individual, Washington State 2A, 2013

## SKILLS

### PROGRAMMING

Proficient:

PHP • Python • MySQL

Comfortable:

Bash scripting • Java • C/C++

Familiar:

Angular • Firebase

### TOOLS / OTHER

- Git
- Unix/Linux
- Docker
- AWS Cloud: EC2, RDS, S3, IAM, Lambda, API Gateway
- Drupal
- HTML/CSS
- REST API integration
- Agile development
- Web scraping/BeautifulSoup4
- Data sanitizing/processing
- Atlassian suite
- Postman

## EXPERIENCE

**SENIOR STUDENT ASSISTANT | CAL POLY IT SERVICES -- DRUPAL**

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

- Led project to containerize Drupal application using Docker to allow for local developer environments, improve workflows.
- Automated manual stages of deployment process by writing dozens of PHP and Bash scripts to improve team efficiency and ticket throughput.
- 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 correct broken content.
- Wrote extensive Wiki documentation and comments to develop reusable code.

**SOFTWARE ENGINEERING INTERN | DASH PLATFORM**

Summer 2015 & 2016 | Bellevue, WA

- Development work was done in LAMP stack web application using CakePHP-based MVC framework.
- Implemented 5 new features and fixed dozens of bugs.
- Focused on server-side and client-side debugging with IntelliJ/xDebug and JavaScript console, respectively, to quickly learn project codebase and architecture.
- Was first developer on team to host development environment on Windows machine, using Vagrant.
- Collaborated using Agile methods in Atlassian Jira project tracking and Git.

## PROJECTS

**LYRASSIST | WWW.LYRASSIST.APP**

November 2018 – ongoing

- Designed cloud application to create AI-generated lyrics in the style of a specified artist, taken as opportunity to learn Angular 7 hands-on.
- Minimized cloud costs while maximizing uptime using AWS Lambda serverless infrastructure to ensure project will be cost-sustainable long-term.
- Scraped lyrics from web sources using Python 3, cached Markov Chain machine learning models into AWS S3 storage to limit user latency.
- Prioritized infrastructure by containerizing project development environment with Docker to make development accessible for any future collaborators.
- Integrated artist biography data from Last.fm REST API.

**VNTR | CAL POLY CAMP POLYHACKS HACKATHON**

January 2017 – February 2017 | San Luis Obispo, CA

- Cross-platform mobile application using Ionic framework and Angular 4 on four developer team.
- Met deadlines by quickly becoming competent in unfamiliar technologies, which enabled me to implement three application components used in the final prototype.

**MUSTANG MARKS | CAL POLY DESIGN & DEV HACKATHON**

January 2016 – May 2016 | San Luis Obispo, CA

- Collaborated with designers and developers to design project database schema, UI-flow, and architecture.
- Scraped and sanitized ratings data from original site to allow for data migration onto our new web platform.