Austin Berke

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austinberke

Third-year Computer Science student at UCLA seeking Software Engineering Internship for Summer 2018.

Experience

Ticketmaster, ***Software Engineering Intern*** **Jun 2017 – Sep 2017**

- Automated provisioning of AWS resources with infrastructure-as-code to serve tens of millions of users/year
- Implemented React/Node.js changes in production services to improve SEO and application performance
- Built a performance and error-rate monitoring dashboard in Ruby while leveraging DevOps practices

Songabout.fm, ***Freelance Web Developer*** **Nov 2015 – Jun 2016**

- Deployed a virtual private server and migrated PHP web application from shared hosting to the VPS
- Integrated the application extensively with YouTube, Echo Nest, and Last.fm APIs for music functionality
- Introduced PHP/JQuery backend fixes on an existing codebase to improve page load times by over 500%

SongNova, ***Co-founder and President*** **Feb 2012 – May 2015**

- Oversaw development of a music-based social network and configured a scalable cloud hosting solution
- Managed a three person team and collaborated with several freelance backend developers and designers
- Devised and executed a social media marketing plan including the social network's transition to a music blog

Education

B.S. Computer Science, University of California – Los Angeles **Expected Jun 2019**

Dean's Honor List Spring 2016, GPA: 3.4

Skills

- Languages
  - C++, C, HTML/CSS, Python, PHP, Javascript, Ruby, Shell scripting
- Technologies
  - Git, Gitlab CI, Terraform, AWS, Prometheus, Grafana, SumoLogic, Docker

Projects

- Envisioned and developed a dashboard for a high traffic product to monitor metrics such as requests per second and currently deployed commit for each microservice; involved deployment onto an AWS EC2 instance, implementation of a continuous integration pipeline, and development of custom Ruby scripts to parse data from Prometheus queries and other API endpoints
- Produced a robust Arduino program that allows a user to synchronize LED lights to music; includes several mechanisms for designing a light show based on MIDI cues arranged in a Digital Audio Workstation such as Ableton Live. Required low-level memory management due to the constraints of the microcontroller. Open source @ github.com/austinberke/MIDIToLED.