

Alex Fuhr

600 Rainbow Drive Apt 176 • Mountain View, CA 94041 • (513) 405-7617 • fuhr.8@osu.edu
Github: afuhrtrumpet • LinkedIn: <http://www.linkedin.com/in/alexfuhr>

Objective

A freelance position in technical writing or content creation.

Experience

- Google – Software Engineer** (Mountain View, CA) 6/17 to 3/18
Worked on improving analysis of Street View images and testing of machine learning models.
- Google – Software Engineering Intern** (Mountain View, CA) 5/16 to 8/16
Worked on features to improve a machine learning algorithm for analyzing part health data.
- ElectroScience Lab – Undergraduate Researcher** (Columbus, OH) 1/15 to 5/15, 1/16 to 5/16
Tested and gave weekly reports on an RF tracking system using a Zigbee mesh network.
- Raytheon SI – Computer Science Engineering Intern** (Indianapolis, FL) 8/15 to 12/15
Researched potential exploits in several native and browser-based applications and worked on internal tools for exploit analysis.
- Google – Software Engineering Intern** (Mountain View, CA) 5/15 to 8/15
Created, debugged, and tested several new features to Google's iOS mobile ads SDK.
- BloomReach – Engineering Intern** (Mountain View, CA) 5/14 to 8/14
Created a web application using Java, Play Framework, AngularJS, and MySQL to simplify the retrieval and optimization of data extraction.

Education

The Ohio State University Graduated May 2017
3.85 GPA, B.S. Electrical and Computer Engineering

Projects

- **Puppy Eats:** A blog with Japanese snack reviews and ratings. Contains pictures and descriptions of each item's appearance, smell, and taste.
- **Digital Synthesizing Guitar:** A 72-note touch-controlled guitar with multiple filters, documented through every step of the design process.
- **WiFinder:** A robot that utilized two ESP8266 modules to drive towards the location of the best Wi-Fi signal for a given hotspot.
- **Laser Harp Hero:** A laser harp capable of playing multiple keys and types of scales and includes a Guitar Hero-style game.
- **Meteor Flies Drone:** A web application written in Meteor that allows many users to control a drone using two different control styles. Won Most Entertaining at Meteor hackathon.

Writing Skills

- **Presentations** - Gave presentations on software packages, personal projects, and web development frameworks to university organizations.
- **Blogging/Content Creation** - Wrote entries for personal blog mentioned above, and content for previous personal website with many visitors.
- **Technical Documentation** - Wrote documentation for several pieces of code at Google, personal projects, and undergraduate research.

Activities

- **Volunteering:** Dog TLC volunteer at Pets In Need in Redwood City, October 2017-present
- **Engineering:** Open Source Club (vice president), Collegiate Web Developers Group (vice president), IEEE, Electronics Club (social media chair)
- **Music:** OSU Jazz Ensemble, Jazz, Fusion Combo

Relevant Coursework

- OSU: Computer Architecture, Computer Networking, Mixed-Signal VLSI, Network Security, RF & Optics, Advanced Digital Design, Operating Systems
- Online: Survey of Music Technology (Coursera), Music Theory for Electronic Music 1, 2, and 3 (Udemy), Game Music Composition (Udemy)