

Alex Hirschberg

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OBJECTIVE

Seeking a software development internship for summer 2016.

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY

Bachelor of Science in Computer Science (Expected Graduation May 2019)

Atlanta, GA

August 2015 - Present

YORKTOWN HIGH SCHOOL

Advanced Studies Diploma

Arlington, VA

September 2010 - June 2015

- GPA 3.8/4.0
- Governor of Virginia Academic Excellence Award
- National AP Scholar Award

EXPERIENCE

LibriFox Summer Internship (Arlington Public Schools)

Arlington, VA

Independent Contractor

June 2015 – August 2015

- Developed LibriFox audiobook application for the Firefox OS platform
- Collaborated with developers and advisors at Mozilla

National Science Foundation Summer Internship

Arlington, VA

Intern of the Senior Advisor to the Chief Technology Officer

July 2014

- Collaborated on NSF Patents application to correlate NSF monetary grants to patent generation
- Project generated vital and previously unavailable data for NSF on the effects of its funding
- Mentored by software engineer on design principles and best practice
- Deployed and improved upon LearnNSF Virtual Panel online training platform

University of Maryland Programming Competition

College Park, MD

Contestant

April 2015

- Developed algorithms to solve complex programming problems

PROJECTS

LibriFox

Brings LibriVox.org's audiobook functionality to Firefox OS

- Written in **JavaScript** using **jQuery** and **jQuery Mobile** frameworks for user interface
- Fetches **JSON** and **XML** data from LibriVox.org's API to display to the user
- Test driven development via **Mocha** and **Karma** frameworks
- Won first place in the Advanced Topics in IT category at Arlington Public Schools Tech Expo

NSFPatents

USPTO data crawler for National Science Foundation

- Written in **Ruby** with **RSpec** test framework for unit testing
- Parses USPTO patent XML data with **Nokogiri** parsing library

MoveUp Android Application

Pedometer that measures progress via an experience and levelling system

- Written in **Java** for the **Android** platform

SKILLS

Programming: Ruby, JavaScript, Java, Python

Platforms: Git, Linux, Windows

Concepts: Test driven development, object oriented software design

Communication: Speaker at National Day of Civic Hacking event in Arlington, VA

LEADERSHIP

Boy Scouts of America (Eagle Scout Rank Earned November 2014)

- Eagle Project – Planned, organized, and led service project to build raised planting beds. Coordinated 21 scouts
- Crew Chief at Philmont High Adventure – Led crew of seven scouts on a 12 day, 80 mile trek in New Mexico

Gates of Ballston Affordable Housing Community Center

2013 – 2015 School Years

- Tutored and supervised kindergarten and first grade students

TV Media Saturday Class at Arlington Career Center

October 2014 – May 2015

- Taught 3rd through 12th graders about filmmaking and multimedia production

