

SAURAV KESHARI ARYAL

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Education

Howard University, Washington, District of Columbia, USA.

Bachelor of Science in Systems and Computer Science

Expected May 2018

GPA 3.76/4.0

Computer Skills and Relevant Coursework

Languages: • Python • C++ • Ionic/Cordova • Java
 • MATLAB/Octave, HTML, CSS, JS, ExpressJS, AngularJS, NodeJS, d3.js, bash, MIPS, Swift (beginner)

College Courses: • Computer Science 354(Data Structures) • Big Data Analysis I • Programming Team/UNIX Lab
 • Intro to Machine Learning • Intro to Linear Algebra • Probability and Statistics I
 • Mobile App Dev-IOS /Ionic-hybrid • Computer Organization I, II • Bison Startup/Accelerate

Online Courses: • Machine Learning (Stanford University via Coursera)
 • Harvard's CS 050 from edx.org • Introduction to Algorithms from ocw.mit.edu.

Work and Relevant Experience

Intern Google, Mountain View, CA. May 2016 – Aug 2016

- Returned as an Engineering Practicum intern to work with the Google Code Jam Team.
- Designed and implemented a new cheating detection library for submissions to the Google Code Jam competitions.
- Worked full stack with Python servers, shell scripts, JavaScript, HTML/CSS, and C++/LibClang.
- Developed using technologies such as: Google App Engine, Protocol Buffers, Distributed Computing, and LLVM/Libclang.

CEO/Co-Founder Songum Aug 2015 – Current

- Co-founded a startup to develop a dating platform based on musical preferences.
- Focused on seed-fundraising efforts, overall project-management, and negotiating a partnership with Spotify.
- Won First place in the first Annual Student Dream Pitch competition for the best business idea/model.

Extracurricular Attending Hackathons, Tech Events, and Clubs Aug 2014 – Current

- Participated and/or registered for 18 hackathons, including MHacks V, Google DC Hack, HackHoward, Hack@Brown etc.
- Participated in tech-related or leadership-based events, such as: ACM ICPC Regionals, Google Developer Fest DC, [9th Annual Winter Student Leadership retreat](#), Open Data Day DC-2015.
- Worked on Genome Mapping and Campus Map design projects through Computer Learning and Design Center @ Howard.

Research Assistant Computational Physics Laboratory, Howard University Aug 2015 – May 2016

- Worked on developing a parallel computing library using MPI for astronomy-related research projects.
- Participated and helped organize a two-day [MPI workshop](#) at Howard through the Pittsburgh Supercomputing Center.
- Assisted in scaling matrix computational solutions using MPI over [Stampede at xsede.org](#).

Intern Google, Mountain View, CA May 2015 – Aug 2015

- Selected as an Engineering Practicum intern for twelve weeks in Google Display/Video Ads.
- Coded a backend library, which will be a daily job, for an Ad-effectiveness measurement product in Python.
- Worked with an enormous dataset in Bigtable as well as complex three layered Protocol Buffers.

Awards and Accomplishments

- **Founders Award** – A highly selective merit-based award that covers the full cost of attendance for college.
- **First** at the Intel Wearables + things Hackathon for a Pebble Metro App for multiple cities.
- **First** place in the first Annual Student Dream Pitch competition for the best business idea/model
- **Second** at the At&t WIT hackathon for using their messaging API for food-based Event web app.
- **Second** in the RSA Cyber Case Competition for a browser extension that aids in randomizing user's browsing