

Kirs Imsong

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EDUCATION

University of Massachusetts Amherst

B.S. in Computer Science, Minor in Mathematics

Certificate in Film Studies

May 2019

GPA 3.7

Dean's List

EXPERIENCE

Mobile Application Developer

University of Massachusetts, Amherst

Amherst, MA

Jan 2018 – Present

- Collaborate with UMass administrations to develop the Accessible Wayfinding mobile application.
- Engage in rapid development cycles and continuous delivery with internal testers to ensure accessibility.
- Leverage React Native, ArcGIS, crowd-sourced data, and native mobile features (Voiceover, Talkback, etc).

Software Engineer Intern

Cisco Systems

San Jose, CA

May 2018 – Aug 2018

- Contributed to the back-end media streaming system for the Cisco Webex Teams collaboration application.
- Developed using Python and deployed in Linux Docker containers with focus on test-driven development.
- Improved speed and reliability of an internal logging system by porting it from Python 2.7 to Python 3.7.

Software Engineer Intern

Optum, UnitedHealth Group

Boston, MA

May 2017 – Aug 2017

- Built an interactive data analysis web-applications to query over 2 billion rows of claims data for analysts.
- Utilized Scala, Hive, Spark, Hadoop, and Elasticsearch to ingest, enrich, and present data.
- Lead an Agile team of nine developers as Scrum Master while also maintaining a developer role.

SKILLS

Languages: Python, Java, C, JavaScript, SQL, CSS, HTML

Software: Docker, Elasticsearch, ArcGIS, Hadoop, Hive, MySQL, Android Studio, Xcode, Git, LaTeX

Frameworks/Libraries: React Native, Django, Scikit-Learn, NumPy, Dask, Pandas

PROJECTS

UMass Access

Campus Accessibility \$10,000 Challenge Winner

Hack UMass V

Nov 2017

- An Android Mobile App that utilizes crowd-sourced data to visualize obstructions on an interactive map by storing geolocation data. Designed to make the UMass campus more accessible for the community.
- (*Java, Python, Android Studio, Django, AWS*)

Decibell Dorm

Make Hartford Hack Challenge Winner

Hack UMass IV

Oct 2016

- Smart dorm IoT security device that utilizes image classification and various sensors to alert users when a guest is at the door with a text message description of the person.
- (*C/C++, Python, Java, Arduino, Raspberry Pi, Clarifai, Twilio, various sensor endpoints*)

Kirs and a Camera

(youtube.com/c/kirsandacamera)

YouTube Channel

Dec 2015 - Present

- Personal YouTube channel with over a million views, dedicated to sharing and educating about my ethnic and cultural background from Nagaland, India.
- Expanded channel to over 7,000 subscribers through promotion and community interaction.