

Arash Nabili

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EDUCATION

University of California, Irvine

Master of Science, Computer Science

Completed: June 2018

GPA: 3.9

Bachelor of Science, Computer Science and Engineering

Graduation: June 2016

GPA: 3.9, Dean's Honors List for 8 quarters

SKILLS

Programming languages: Java, C, Python, Scala, JavaScript

Platforms and frameworks: Android, Systems Programming, Web (frontend, backend), Apache Spark, Linux

EXPERIENCE

Software Engineer

Levyx, Inc.

January 2019 - February 2020

- Developed parallelized application code for Xenon, Levyx's high-performance distributed data store
- Implemented a financial algorithm for efficient processing of large tick data sets, using Spark and Xenon
- Updated and maintained spark-xenon, a Spark connector that accelerates DataFrames using Xenon
- Updated and maintained heliumdb, a Python dictionary backed by Helium, Levyx's fast key-value store

Android Developer

Radio Javan, Inc.

October 2016 - January 2019

- Rewrote the Radio Javan Android app to use standards-compliant app architecture and UI design in order to improve user experience
- Added support for new features and platforms, including Google Cast, Sonos, and Android Auto

Associate Engineer - Satellite Development

SpaceX

June 2018 - September 2018

- Developed a web portal for visualizing QIP (Quality of IP) statistics (code coverage, regression test results, JIRA issues, code check-ins)
- Created a test suite for verification of satellite modem chip design on FPGAs

Software Development Engineering Intern

Amazon, Inc.

June 2017 - September 2017

- Designed and implemented a web-based tool to manage automatic app entitlements for the ADG (Amazon Digital Goods) team

Teaching Assistant

University of California, Irvine

Fall 2016 - Spring 2018

- Teaching assistant for 5 quarters

Graduate Student Researcher

University of California, Irvine

Fall 2017

Co-PIs: Heidi Hardt (UC Irvine), Amy Erica Smith (Iowa State University)

- Built a website for searching citations in syllabi for graduate courses

PROJECTS

DPRT

- Architected DPRT, an all-in-one solution for car dealerships to manage their dealer plates and record test drives. DPRT helps simplify test drive reporting in dealership audits, leading to reduced operating expenses

- Designed the data model, backend APIs, user model, authentication and authorization, and subscriptions
- Application components include: a dashboard web app for managing user accounts and dealer plates, and generating test drive reports; and an Android app for recording test drives, with driver and vehicle information