Arash Nabili
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EDUCATION

University of California, Irvine
Doctor of Philosophy, Computer Science — Graduation: June 2022
Recipient of NSF Graduate Research Fellowship for 2018
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, Web (frontend, backend), Apache Spark, Linux

EXPERIENCE

Software Engineer
Levyx, Inc. — January 2019 - Present
- Developed a reference implementation of the BLASH (Buy Low and Sell High) financial backtesting algorithm using Apache Spark, which was contributed to STAC
- Updated and maintained client libraries for Xenon, Levyx's high-performance distributed data store
- Modified the STAC-A3 Mean-Revert with Options backtesting benchmark to accelerate computation with Xenon and FPGAs

Android Developer
Radio Javan, Inc. — October 2016 - Present
- 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

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