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EDUCATION

- **San Jose State University** — San Jose, CA
  Bachelor's of Science in Software Engineering — *Graduating May 2020*

PROGRAMMING SKILLS

- **Languages**: Java, JavaScript, Python, C++, C, C#, SQL, NoSQL, SQLite, HTML5, CSS3, Scala, PHP
- **Technologies and Frameworks**: Angular, AngularJS, React, Node.js, .NET, JEST, Android, Electron

EXPERIENCE

- **SJSU Peer Connections** — San Jose, CA
  Peer Educator — *Aug 2018 - Current*
  - Provide one-on-one assistance to students in Communications, Math, Logic, Science and Engineering courses.
  - Mentor students to develop their own strengths, skills and capabilities effectively.

- **RiSA2S (Android, Java, Python)** — San Jose, CA
  Research Assistant — *Oct 2018 - Dec 2019*
  - Researched usability of various user interfaces for drivers in autonomous cars placed in non-ideal situations.
  - Developed an Android app to conduct research on the effects of different modes of interaction while driving an automated vehicle.
  - Integrated with Google APIs to add new features such as speech recognition and maps.
  - Wrote Python scripts to extract, parse, and analyze data collected.

- **Salesforce.com, Inc. (JavaScript, HTML/CSS3, React, JEST)** — Bellevue, WA
  Software Engineering Intern — *Jun 2019 - Aug 2018*
  - Rebuilt Feeds-UI core app in production from scratch using Salesforce Lightning Web Components and delivered the app with 30% faster performance.
  - Wrote unit, integration, regression and end-to-end tests and contributed to the overall testing infrastructure of the app with 100% code coverage.
  - Presented changes and progress made by the team to the entire org.

- **SnapCheck Inc. (Java, JavaScript)** — San Jose, CA
  Software Engineering Intern — *Jun 2018 - Aug 2018*
  - Created and implemented robust test cases for the API using Java and web client using JavaScript.
  - Implemented integration and unit tests for distributed micro-services using Java and Python.
  - Helped locate bottlenecks and assisted to devise solutions.

- **Avanza Solutions (Java, C#, SQL, HTML/CSS, .NET)** — Dubai, UAE
  Software Engineering Intern — *Jul 2017 - Aug 2017*
  - Added and updated various features like sign-in, sign-up on customer support portal.
  - Designed and implemented a connection to SQL database to run relevant queries and inputs from users.
  - Updated, validated and made necessary modifications in database using SQL.

PROJECTS

- **ngMigration Assistant (open-source Google project)** Developed an easy-to-use desktop app that analyzes an AngularJS application and recommends a migration path to Angular by providing information like statistics on the complexity, size and patterns of the project.
- **Jedi (Scala)** Developed a simple custom programming language using Scala that supports many modern features like variables, objects, dynamic type checking and static scoping.
- **Sense (Angular, Node.js, Python)** Embedded system companion mobile app to monitor parked cars and prevent break-in or vandalism.

PUBLICATIONS

- Dr. Favaro, F.M., Deriches, M., Eurich, S., Rizvi, S., Akhtar, S., Agarwal, S., Davtyan, K., Nader, N., Behzad, K., Mahmood, S. **Impact of Smart Phones' Interaction Modality on Driving Performance for Conventional and Autonomous Vehicles**, Mineta Consortium for Transportation Mobility, Sep 2018 – Nov 2019.