# JOHN TRAN

San Jose, CA

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## EDUCATION

San Jose State University     *(2015 - Present)*

- B.S. in Computer Science (expected graduation: May 2019), **3.94 GPA**

**Coursework**

- Data Structures and Algorithms
- Object Orientated Programming
- Formal Languages and Computability
- Solving Big Data Problems
- Programming Paradigms
- Discrete Mathematics
- Calculus
- Linear Algebra

## TECHNICAL EXPERIENCE

- **Computer Science Grading Assistant** — San Jose State University     *(2017 - Present)*
  - Performing role in an Object Orientated Design course.
  - Assisting instructor in evaluating assignments coded in Java.
  - Construct meaningful feedback for students to reflect upon.

- **Robotics Team Member** — San Jose State University     *(2017-Present)*
  - Helped create a rover in a cross-discipline team environment that competed in the 2017 University Rover Challenge.
  - Responsible for creating rover map and telemetry control applications.
  - Utilized HTML, CSS, JavaScript, Leaflet.js, Bootstrap, and Git.

- **Open Source Contributor**     *(2016 - Present)*
  - Frequent contributor to personal and external projects from guides to infrastructural tools to applications.
  - Has helped me learn how to better interact in team-based environments, quickly adapting to new codebases, technologies, and issues.

## OPEN SOURCE PROJECTS

- **Falcon**: Cross-platform desktop database client.
  - Built front-end logic and interface using React and Electron.
  - Expanded back-end ORM to be able to manipulate SQLite table contents and schema.
- **Strongr:** Web application that generates weightlifting schedules based on user's strength level and chosen exercise templates.
  - Front-end logic and design developed with React and Bootstrap.
  - Application deployed on Heroku and served via Node and Express.
- **js-algorithms** and **java-algorithms**: Two projects detailing the properties and applications of specific data structures and algorithms implemented in their respective language.
  - Incorporated solutions for popular questions on Leetcode and Cracking the Coding Interview.
  - Articulated strategies for solutions and their runtime analyses.

## SKILLS AND ABILITIES

Languages: **Java** (Proficient), **JavaScript** (Proficient), **HTML** (Proficient), **CSS** (Proficient), **SQL** (Basic), **C** (Basic)

Tools and Libraries: **Git** (Proficient), **Github** (Proficient), **React** (Proficient), **Bootstrap** (Proficient), **Redux** (Basic), **Node** (Basic), **Express** (Basic) **jQuery** (Basic), **Hadoop** (Basic), **UNIX Terminal** (Basic), **Heroku** (Basic), **Digital Ocean** (Basic)

## ADDITIONAL EXPERIENCE AND SERVICE

Eagle Scout Award, Boy Scouts of America     (2015)

Summer Volunteer Tutor, Read Write Discover     (2013, 2014)

Bilingual in Vietnamese