

# Young Tran

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**LinkedIn:** [linkedin.com/in/youngtrann](https://www.linkedin.com/in/youngtrann)

**GitHub:** [github.com/youngtran](https://github.com/youngtran)

**Portfolio:** [youngtran.tech](https://youngtran.tech)

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## >LANGUAGES AND TECHNOLOGIES

- **Proficient:** JavaScript, jQuery, HTML, CSS, Material-UI, Tailwind Css, ReactJS, Redux, Spring Boot, Node.js, Express.js, Python, Flask, SQL, Elastic Search, Git, Heroku, AWS, Docker, Jenkins, SQS
  - **Exposure:** C, C++, Go, AngularJS, React-Native, D3.js, Sketch, Figma, OCPP 1.6, MQTT
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## >PROFESSIONAL EXPERIENCE

### Proterra | Software Engineer | Burlingame, CA

August 2020 - CURRENT

- Created internal tools using Python to visualize raw data in S3 and pin-point data quality issues occurring in overall platform, increased customer support turnaround time by 50%
- Individual contributor to a distributed system using Spring Boot, implemented OCPP protocol communication with chargers to initiate charge commands to start charging, stop charging, and discharging to send power to the grid, successfully met deadlines for 2020 for DEV and QA launches
- Worked closely with Devops to modify multiple data-pipeline projects configurations to be able to interpolate with our infrastructure to create a DEV, STAGING, and QA environments decreasing further tech debt by 30%
- Coordinated product managers, hardware team leads, and executive management to gather business requirements for development items and sprint planning
- Provide L1 support to clients and escalating appropriately when necessary decreasing customer complaints backlog by 90%
- Helped fight production fires to minimize data loss and ultimately recover 99% of the losted data

### Infiswift Technologies | Full Stack Developer | Milpitas, CA

June 2019 - August 2020

- Introduce redis caching to a multi-tenant SPA serving real-time data for virtual power plants via dashboard visualizations, dramatically improving user experience and decreasing load times drastically to 0-2 seconds
- Solely conceptualized and conceived 3 minimum viable products to prove virtual power plant concepts for multi-billion-dollar client using React.js, Go, SQL, bringing in 3 more development contracts
- Solely managed deployments of several React applications using Docker, increasing code output by 20%
- Developed Go backend service to handle concurrent websocket communications with IoT devices which resulted in an extension of the contract for 6 months

### Infiswift Technologies | Full Stack Developer Intern | Milpitas, CA

March 2019 - June 2019

- Proposed and implemented the migration of a legacy frontend application that serves real-time visualizations for virtual power plants to React.js and Redux.
  - Decoupled a Node.js service that was running a Python process to compute different machine learning metrics on our models to a microservice architecture using Flask and Node.js
  - Collaborated with team of data scientists and solar energy expert to create highly performant dashboards using React.js, Node.js, Flask, SQL and ultimately saving our client yearly audit filings
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## >EDUCATION

**Level 10, 42 Silicon Valley Software Engineering School**

March 2019

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## >PROJECT WORK

### Kift | Lead Software Engineer | [Code URL](#)

2018

*Lead team of 3 software engineers to developed highly performance voice user interface*

- Developed a high performance web application using the C language for the backend in which it can perform list of commands based on audio input received from browser using Vue.js, Node.js, C, Pocketsphinx, NLP resulting in a perfect score

### Wolfenstein | Software Engineer | [Code URL](#)

2018

*Remake of famous game Wolfstein3D in our own unique way*

- Worked closely with another engineer to break down steps for this project which included raycasting, player movement, collision detection, and fundamental understanding of the game loop using the C Language, and miniLibx, a subset of OpenGL resulting in perfect score

**Fractol | Software Engineer | [Code URL](#)**

2018

*Creating highly performant beautiful fractal visualizations*

- Built command-line GUI program which takes keystrokes as input to iterate on different fractals such as mandelbrot set, julia set, and burningship using the C Language, and miniLibx resulting in perfect score

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**>LEADERSHIP + AWARDS**

**Problem Solving (Basic),** *HackerRank*

2020