



# Stazia Tronboll

## DEVELOPER | STRATEGIST



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### Objectives

- To contribute to space exploration and human longevity by applying technical and leadership skills
- To run a software engineering company focusing on specialized solutions for small businesses

### Education

- **BS Computer Engineering | University California San Diego | GPA: 3.57**  
Related coursework: **Data Structures**, Computer Organization and Systems Programming, **Advanced Software Engineering**, Circuits and Systems, **Relational Databases**, Digital Logic Design
- **Computer Engineering | Lund University, Sweden | GPA: 3.87**  
Related coursework: Computer Architecture, Introductory Cryptography, Digital Communications

### Engineering and Academic Projects

#### 01/2016 - Present SOFTWARE ENGINEERING COURSE, Team Lead

- Generating requirements, managing tasks, assessing quality, and establishing and maintaining productive team dynamics
- Wrote requirements specification document involving use cases, activity diagrams, systems choices, and wireframes
- Coordinating a team of 9 to develop a SaaS application for appointment checkin

#### 01/2016 - Present ECE DEPARTMENT, Project Developer

- Developed a weather emulator using Arduino: <https://goo.gl/y6fbhR>
- Document each project as a tutorial for students enrolled in the course
- Currently developing curriculum for an IOT project using Raspberry Pi 3 as web server and hardware interface

#### 06/2016 - 06/2017 IEEE, UCSD Student Branch Project Manager

- Managed student project program for three terms
- Obtained and handled funding and materials
- Technically mentored teams throughout development of their project, including circuit design, programming, and troubleshooting both
- Hosted a showcase event at the end of each term
- Documented process for future officers and tutorials for project members

#### 01/2017 - 05/2017 IEEE, UC San Diego Student Branch Grand Prize Competitor

- Competed in annual autonomous vehicle racing competition
- **1st Place & Controls Award**
- Led software development of communication, PID, and vision systems
- Wrote and distributed sponsorship package and acquired funding for the project

### Technical Skills

- |                  |         |              |                 |                 |
|------------------|---------|--------------|-----------------|-----------------|
| • Arduino        | • C/C++ | • MongoDB    | • Webpack       | • Agile Process |
| • RaspberryPi    | • SPARC | • SQL        | • Inkscape      | • Python        |
| • Android Studio | • Java  | • Express.js | • 3D Printing   | • Javascript    |
| • Prototyping    | • PHP   | • HTML/CSS   | • Laser Cutting | • Soldering     |

...but with long fruitless efforts, perhaps we someday will.