Tanya Sonker

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EDUCATION

Santa Clara University   Santa Clara, CA
Bachelor of Science in Computer Science, Minor in Mathematics   *Grad. June 2020*

SKILLS

Languages: C++, SuperCollider, HTML, CSS, JavaScript, TypeScript, Node.js, LaTex, PHP, Golang, SQL
Frameworks and Tools: Git, Angular, Karma, Jasmine, Docker, MongoDB, VS Code, Invision Studio

EXPERIENCE

Ericsson Wireless Office   Plano, TX
Software Developer, UX Designer   *Sep 2021 – Present*

- Added Internationalization and Localization to Angular app using ngx-translate library.
- Created unit tests for 25% of the codebase's Angular components using TypeScript, Karma, and Jasmine.
- Led UI/UX for a new product release by working closely with stakeholders to design wireframes in InVision Studio.

Santa Clara Laptop Orchestra (SCLOrk)   Santa Clara, CA
Computer Musician, Engineering Intern, Teaching Assistant   *Jan 2018 – Aug 2021*

- Built a Graphical User Interface (GUI) in SuperCollider and C++ to enable mirror functionality for QuNeo.
- Designed and developed an official website for SCLOrk in HTML, CSS, and JavaScript.
- 1 of 4 students chosen to be in Dr.Bruno Ruviaro's pilot program; Recruited out of ensemble as a Teaching Assistant.

Santa Clara University   Santa Clara, CA
Computer Science Teaching Assistant   *Jan 2018 – Mar 2020*

- Recruited as a Teaching Assistant, a position not open to applications, by Dr. Natalie Linnell.
- Taught fundamental programming concepts and helped debug about 15 students' C++ code every lab session.

Mesh7 (acquired by VMware)   Sunnyvale, CA
Software Engineer Intern   *June 2019 – Aug 2019*

- Rebuilt open-source project Sock Shop for a container security startup which was used as a microservices demo e-commerce website to clients.
- Redesigned UI elements and developed the front-end using HTML, CSS, JavaScript, and MongoDB.
- Improved the demo by implementing text receipt functionality using the Twilio API, Node.js, and Golang.
- Debugged and eliminated 15 critical security vulnerabilities in package dependencies and added support for SQL injection vulnerability.
- Built and maintained codebase on GitHub; Distributed container images on Docker Hub.

PROJECTS

Grocery Helper   Santa Clara, CA
Front-End Developer   *Sep 2019 - Dec 2019*

- Built the front-end in HTML, CSS, and JavaScript for a web application (in a team of 6) to enhance one's grocery shopping experience by keeping track of items bought and estimating their expiration dates.
- Automated reminders for expiring items through desktop push notifications by writing a Python script.
- Created server-side PHP scripts to populate drop-downs of categories suggesting food items to add to a grocery list.

AWARDS

- Awarded 20,000 points by stakeholders for collaboration through Ericsson's recognition program for achievers.
- Awarded the competitive student scholarship (full-ride) to attend the Grace Hopper Celebration 2019.
- Chosen as a Rewriting The Code Fellow for the academic year 2019-2020.