

Tyler S. Campbell

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Portfolio: tylercampbell.space GitHub: [t36campbell](https://github.com/t36campbell) LinkedIn: [t36campbell](https://www.linkedin.com/in/t36campbell)

U.S. Air Force veteran with nine years of engineering expertise pursuing an M.Sc. in Computer Science.

SKILLS & QUALIFICATIONS

Programming Languages: TypeScript / JavaScript, Python, Rust, Java, HTML, CSS, SQL, GraphQL, Dart, Swift, PHP

Frameworks: Angular, React, Next, Gatsby, Rocket, Django, Flask, FastAPI, Express, Nest, Vue, TailwindCSS, Flutter

Technical: Test Driven Development, Git, Linux, Kubernetes, Docker, Ansible, Networking, V.S. Code, JetBrains IDEs

Services: Cloudflare, Auth0, Netlify, AWS, Firebase, Google Cloud, Heroku, Digital Ocean, GitHub, GitLab

WORK EXPERIENCE

Full Stack Software Engineer **Tufin** **May 2022 - Present**

Creator of bespoke extensions to a SaaS application for clients like Apple, Pfizer, and Verizon at a \$100M+ network security company that provides best-in-class network security policy automation to over half of the Fortune 50.

- Technical lead enacting project standards & authoring vital features of open-source SDK and in-house tools.
- Overhauled distributed reporting application by employing a multi-threaded task queue & a fresh front end.
- Designed API to automate the import of 10k+ devices to enhance a client's network topology experience.
- Improved runtime efficiency of 20 projects during the conversion to micro-service architecture.
- Increased team productivity by automating repetitive tasks with Ansible to produce consistent results.
- Automated SDK documentation generation, amassing code and docstrings to spawn markdown.

Full Stack Software Engineer **McSteen Land Surveyors** **Jan 2021 - May 2022**

Architect that led design of order-processor front end, built for surveyors serving multiple states for 50+ years.

- Executed a complete front end redesign in under six months, replacing Bootstrap with Angular Material.
- Reduced monthly production costs by \$600+ and improved UX by implementing Google's static maps.
- Developed a back end document generation system to dynamically create invoices and various deliverables.
- Performing maintenance and troubleshooting on mission-critical legacy business applications.

Information Technology Intern **Central Ohio Transit Authority** **Oct 2019 - May 2020**

Aided software development and system, network, and database admins to facilitate 20M rides to greater Columbus.

- Orchestrated replacement of 36 multi-media devices to increase awareness of company activities and news.
- Facilitated the removal of over 400 Windows 7 workstations through hardware and software upgrades.
- Configured personnel remote access accounts and installed necessary hardware and software.
- Provided technical support with excellent customer service to all employees through help desk functions.

Avionics Technician **United States Air Force** **Oct 2014 - Sept 2018**

Radar, radio, navigation, and defensive countermeasure systems maintainer on the C-130J Super Hercules.

- Subject Matter Expert tasked with conducting and supervising all shift maintenance actions.
- Applied system knowledge to troubleshoot operational issues and identify practical solutions.
- Tested electrical systems to ensure functionality by analyzing test data to assess equipment operation.

EDUCATION

M.Sc. in Computer Science **Franklin University** **Present (Summer 2024)**

B.Sc. in Information Technology **Capella University** **Oct 2020**

RECENT PROJECTS

Toretsu github.com/t36campbell/toretsu **Aug 2023**

A simple task queue, underpinned by a binary heap, constructed wholly in Rust.

Portfolio v4 tylercampbell.space **Feb 2023**

A portfolio crafted to exhibit a unique collection of personal projects, assembled employing Gatsby and TailwindCSS