Tyler S. Campbell

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Portfolio: tylercampbell.space   **GitHub:** t36campbell   **LinkedIn:** t36campbell

United States Air Force veteran with nine years of development expertise striving toward 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, TailwindCSS, Express, Nest, Vue, Nuxt, Flutter, WordPress, Bootstrap
Technical: Git, Linux, Kubernetes, Docker, Ansible, Networking, JetBrains IDEs, Markdown, Jupyter
Services: Cloudflare, Netlify, AWS, Firebase & Google Cloud, Heroku, Digital Ocean

WORK EXPERIENCE

Full Stack Software Developer — Tufin — May 2022 – Present

Creating 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.

- Lead contributor of open-source SDK and in-house tools, enacting project standards and authoring vital features.
- Overhauled distributed reporting application by implementing a multi-threaded task queue and a redesigned front end.
- Automated creation of SDK documentation, amassing code and docstrings to spawn markdown and Jupyter notebooks.
- Designed backend API to automate network device import to enhance a client's network topology experience.
- Rewrote 20 solutions, improving runtime efficiency and fixing breaking changes due to product architecture updates.
- Increased team productivity by automating repetitive tasks with Ansible to produce consistent and repeatable results.

Full Stack Software Developer — McSteen Land Surveyors — Jan 2021 – May 2022

Made feature concepts a reality, building an order-processing application 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 replacing Google's dynamic maps with 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 administration to facilitate 20M rides to greater Columbus.

- Orchestrated the 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 proper functionality by analyzing test data to assess equipment operation.
- Selected for promotion to Staff Sergeant in Aug 2018.

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, Chart.js, & TailwindCSS.