

Branden Palmer

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Education

Arizona State University / <i>Tempe, AZ, USA</i> <ul style="list-style-type: none">B.S. in Computer ScienceGPA: 3.87 Dean's List Spring 2024, Fall 2024, Spring 2025Accepted into Accelerated Master in Computer Science Program	Aug 2023 – Dec 2025
Community College of The Air Force / <i>Montgomery, AL, USA</i> <ul style="list-style-type: none">A.A.S. in Aviation Maintenance Technology	Jul 2009 – May 2014

Open Source Contributions

G8 Medical Technology / Link / <i>Medical App</i> <i>Java, JavaFX, SQLite</i> <ul style="list-style-type: none">Broke six-person team into three feature focused subteams, reduced crosstalk, increased dev momentumPerformed 37 merges, instrumental in synchronizing six-person teamDelivered all required specifications on time	Jan 2024 – Apr 2024
Super Productivity / Link / <i>Productivity App</i> <i>SCSS, Angular.js</i> <ul style="list-style-type: none">ID'd regression bug by utilizing git bisectCorrected UI issue by isolating problematic SCSS, resulting change merged into production branch	Apr 2022 – Jan 2024

Personal Projects

Polyfill Pwn Protector / Link / <i>Web Security Browser Extension</i> <i>JSON, JavaScript</i> <ul style="list-style-type: none">Protects users against 380K sites infected with polyfill attack by blocking and replacing infected polyfill domainPublished three days after attack	Jun 2024 – Jun 2024
MUD Terminal game / <i>Text based dungeon crawler</i> <i>C, C++, JSON</i> <ul style="list-style-type: none">Created JSON parsing script in C, capable of parsing 1770 items in 0.78 msImplemented role playing mechanic including: inventory, navigation, world state, and battle mechanics by utilizing OOP principles	Nov 2023 – Dec 2023
MemeSpace / Link / <i>Social app for memes</i> <i>Next.js, Firebase, React.js, TailwindCSS, TypeScript</i> <ul style="list-style-type: none">Integrated Firebase BaaS for storage and user authAdded caching with React Query, optimized network performanceIsolated commit with Git bisect, technique instrumental in resolving build failureCrafted troubleshooting template, reduced troubleshooting from two days to two hoursDocumented coding conventions, reduced decision fatigue and enabled efficient developmentIntegrated external API, created modules for fetching and UI, resulting in access to 999 memes	Nov 2022 – Sep 2023
Battleship / Link / <i>Board game</i> <i>Jest, Webpack, JavaScript, SCSS</i> <ul style="list-style-type: none">Implemented 35 tests using TDD across 3 modules, 16 functions, enabling safe refactorings/robust game logicApplied refactoring principles, allowing new feature implementation in 15 minutesImplemented a style system using SCSS and the BEM method, with separate files for each screen, resulting in a coherent, easy-to-use, high-quality style systemCreated custom rendering system with Vanilla JS, resulting in modular rendering API supporting 18 components across four screens	Apr 2022 – May 2022

Other Experience

Senior Aircraft Technician / <i>Lockheed Martin, Balad AB, Iraq</i> <i>Held active secret security clearance</i>	Dec 2017 – Jan 2020
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Technical Skills

- HTML/CSS, SCSS, Java, JavaScript, TypeScript, Bash, SQLite, C, C++, Lisp
- React.js, Node.js, Next.js, Vite.js, Webpack, JavaFX
- Git, VSCode, Neovim
- Storybook.js, Firebase, Jest, TailwindCSS, React Query, Playwright, lodash