Branden Palmer

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EDUCATION

Arizona State University — Tempe, AZ
Bachelor of Science in Computer Science — *Aug. 2023 – Dec. 2025*
GPA: 3.81

Community College of The Air Force — Montgomery, AL
Associate in Applied Science in Aviation Maintenance Technology — *Jul. 2009 – May 2014*

PROJECTS

MUD Terminal game, Text based dungeon crawler | *C, C++, JSON* — Nov. 2023 – Dec. 2023
- Created JSON parsing script in C, capable of parsing 1770 items in 0.78 ms
- Implemented role playing mechanic is including: inventory, navigation, world state, and battle mechanics by utilizing OOP principles

Linkedin Easy Apply Bot, A digital assistant for Linkedin | *Node.js, Playwright* — Nov. 2023 – Nov. 2023
- Automated apllication bot, facilitated the application of over 400 job postings in 3 days

Memespace, Social app for memes | *Next.js, Firebase, React.js, TailwindCSS, TypeScript* — Nov. 2022 – Sep. 2023
- Integrated Firebase BaaS for storage and user auth
- Added caching with React Query, optimized network performance
- Isolated commit with Git bisect, technique instrumental in resolving build failure
- Crafted troubleshooting template, reduced troubleshooting from two days to two hours
- Documented coding conventions, reduced decision fatigue and enabled efficient development
- Integrated external API, created modules for fetching and UI, resulting in access to 999 memes

Battle Ship, Board game | *Jest, Webpack, JavaScript, SCSS* — Apr. 2022 – May 2022
- Implemented 35 tests using TDD across 3 modules, 16 functions, enabling safe refactorings/robust game logic
- Applied refactoring principles, allowing new feature implementation in 15 minutes
- Implemented 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 system
- Created custom rendering system with Vanilla JS, resulting in modular rendering API supporting 18 components across four screens

EXPERIENCE

Open Source Contributor — Apr. 2022 – Present
SuperProductivity App — *super-productivity.com*
- Corrected UI issue by isolating problematic SCSS, resulting change merged into production branch

Senior Aircraft Technician — Dec. 2017 – Jan. 2020
Lockheed Martin — *Balad AB, Iraq*
- Hand selected for aircraft engine run certification

TECHNICAL SKILLS

Languages: HTML/CSS, SCSS, JavaScript, TypeScript, Bash, C, C++, Lisp
Frameworks: React.js, Node.js, Next.js, Vite.js, Webpack
Developer Tools: Git, VSCode, Neovim
Libraries: Storybook.js, Firebase, Jest, TailwindCSS, React Query, Playwright, lodash