

Alex Spaulding

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Portfolio

ASPIRING SOFTWARE ENGINEER

Disciplined and motivated computer science Junior with a strong interest in operating systems and project management. Extensive experience in reverse engineering. Proficient in:

Languages: Python, JavaScript, Java, TypeScript, Rust, Swift, Objective-C, Nix

Web: Next.js, React, Django, Spring Boot

Tools: Git, AWS, Azure, SQL, REST APIs, CMake, CI/CD

Reverse Engineering: IDA Pro, C++, C, Objective-C, Private macOS Frameworks

EDUCATION

Bachelor of Science (BS) in Computer Science

Eastern Washington University | Expected May 2027

- Mathematics Minor
- Active member of Computer Science and Cybersecurity Clubs

Front-end Developer Certification

Montana Code School / Promineo Tech, Missoula, MT | 2020

- Completed intensive 18-week program focused on web development

PROFESSIONAL EXPERIENCE

Information Technology (IT) Consultant

University of Montana IT Help Desk, Missoula, MT (Sep 2020 - Oct 2020) | (Oct 2024 - Jan 2025)

- Provide Tier I phone support, resolving support tickets on TeamDynamix related to logins, laptops, printers, internet issues, software, account setup, and technical configuration
- Conduct weekly sprints to deliver on-site technical support to students and employees
- Implement and maintain automated system monitoring solutions

Printed Circuit Board (PCB) Technician

Sunburst Sensors, Missoula, MT (Jan 2022 - March 2025)

- Design and manufacture autonomous instruments measuring marine and freshwater inorganic carbon parameters (CO₂ and pH) using patented drift-free technology
- Solder components to printed circuit boards (PCB), craft cabling, adapters, and battery packs to facilitate product shipping and power provision
- Optimize sensor calibration using statistical techniques

Sales Associate – Seasonal

Men's Wearhouse, Missoula, MT (Jun 2023 - Aug 2023)

- Sized customers and sold tuxedos, suits, sport jackets, and wedding rentals
- Utilized strong sales skills to ensure every customer left with a purchase, whether it was a suit, shirt, or accessory, enhancing their shopping experience
- Utilized data-driven approaches to optimize sales strategies

Apple Sales – Seasonal

Simply Mac, Missoula, MT (Oct 2018 - Nov 2018)

- Welcomed and assisted customers with professional support, sales, service, and phone repair
- Exceeded monthly sales quotas for Macs, MacBook Pros, iPads, and new/used MacBooks
- Provided technical support for applications and features

Web Developer

Wheelbound Productions, Missoula, MT (Apr 2018 - Sep 2018)

- Provided personalized customer service to discuss business plans and website goals, resulting in the design of mobile-friendly dynamic websites
- Utilized JavaScript, HTML, CSS, and SASS to create engaging homepages featuring multi-parallax scrolling, animations, and interactive elements
- Integrated chat support and SEO optimization tools to enhance user engagement and search rankings

SKILLSET

Category	Skills
Data Science & Analytics	Statistical Analysis Data Visualization Big Data Processing

Category	Skills
Back-end Development	Python, Java REST APIs, SQL Databases CRUD Applications AWS Cloud Services SaaS Architecture, Rust
Automation	Shell Scripting (POSIX) Nix Build/Dev Automation Automation Scripts AppleScript
Systems & Low-level Programming	Reverse Engineering Operating Systems Development Kernel Programming Assembly Language System Architecture
Development Tools & Paradigms	Object-Oriented Programming (OOP) Design Patterns Webpack Swift, Objective-C Nix
Front-end Development	JavaScript, TypeScript, NextJS, ReactJS, HTML, CSS, Bootstrap Responsive Design AJAX, jQuery Web Animations
Version Control & Collaboration	Git API Documentation TeamDynamix AsciiDoc Documentation Github Actions Open Source Software contributions
Content Creation	Graphics Design Adobe Photoshop, Blender Adobe Premier Pro Music Production (Ableton Live, Logic Pro) YouTube Content Creation

REFERENCES

For references, please contact me.