Destin Adams

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EDUCATION

Arizona State University | B.S. in Computer Systems Engineering | Graduation: June 2025
- GPA: 3.0/4.0
- **Relevant Coursework:** Data Structures & Algorithms, Object-Oriented Programming, Discrete Math, Programming for Computer Engineering, Digital Logic Design, Verilog Hardware Design

PROFESSIONAL EXPERIENCE

Web Development Intern, **Oliver Smith Jeweler** | Scottsdale, AZ | **Dec 2023 – Jan 2025**
- Developed and customized a **Shopify website** using **HTML, CSS, and JavaScript**, improving UI/UX and increasing user engagement.
- Integrated **Shopify with The Edge**, automating **product updates via API connections** for operational efficiency.
- Enhanced **website security** by working with IT teams on firewall protections and secure transactions.
- Designed and optimized user-friendly interfaces, ensuring seamless customer interactions.
- Managed partnerships with high-end watch brands, creating dedicated **product pages** to expand offerings.

PROJECTS

Canvas Student Help System *(Java, JavaFX, MySQL, Encryption, JUnit)*
Project Overview:
Developed a secure, role-based help system for ASU CSE 360 students to provide personalized access to educational resources. Key contributions included:

- **User Authentication:** Led the development of a secure user authentication system with role-based access, allowing for personalized user experiences and privacy.
- **Password Management:** Implemented password recovery mechanisms, including one-time passwords, to enhance security and user convenience.
- **Data Security:** Integrated encryption to protect sensitive data, ensuring privacy even if the system's memory is compromised.
- **Administrative Tools:** Developed features to manage help articles, allowing instructors and admins to add, update, and remove articles efficiently.
- **User Interface Design:** Contributed to creating an intuitive user interface using JavaFX, improving usability for students, admins, and instructional team members.
- **Automated Testing:** Implemented JUnit tests to ensure the functionality and reliability of the system, maintaining a high standard of quality.
- **User Feedback Integration:** Played a key role in refining the system based on user feedback, enhancing both usability and overall user experience.

Hospital Registration System *(C, C++)*
- Developed a **hospital management program** to track patients and doctor assignments.
- Designed an **object-oriented database system** with a user-friendly **front-end UI** for seamless data entry.
- Implemented **modular, multi-file architecture**, enabling easy **scalability and maintainability**.

Number Pad Lock *(Verilog, GTKWave, Digital Schematic)*
- Designed a **digital gate system** with **state diagrams** and **state transition tables** to enforce access control.
- Implemented a **warning system** before lock reset, improving user security.

TECHNICAL SKILLS

Programming Languages: C++, Java, JavaScript, Python, ARM Assembly, Verilog
Web Development: HTML, CSS, JavaScript, Shopify API
Software & Tools: Git, Linux, MySQL, GitHub, Visual Studio Code, Eclipse, JUnit
Concepts & Technologies: Object-Oriented Programming, Data Structures & Algorithms, Embedded Systems, Digital Logic, Web Development, Database Management