

Aleah Hassabo

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EDUCATION

Arizona State University

Bachelor of Science in Computer Science | Major GPA: 3.69 | Cum Laude

Tempe, AZ

August 2022 - May 2026

- **Awards:** Dean's List (4x) | New American University Dean's Scholarship (8/8 semesters)
- **Relevant Coursework:** Data Structures & Algorithms, Operating Systems, Database Management, Machine Learning
- **Organizations:** Software Dev. Association, Google Developer Student Club, Women in Computer Science

EXPERIENCE

Sport Sitters

Lead UI Designer & Front-End Developer

Tempe, AZ

August 2025 – May 2026

- Architected and implemented a real-time booking platform in 4 months, using React Native and JavaScript, directly enabling market expansion across Arizona and California
- Authored 40+ automated test cases for Firebase cloud functions using Jest, ensuring reliability and correctness across core booking workflows
- Translated stakeholder requirements into high-fidelity workflows and technical specifications, driving the product from concept to functional delivery
- Delivered a production prototype supporting 400+ active users and real-time booking workflows, validating end-to-end system behavior and scalability under load

Tungsten Automation

Sales Engineering Intern

Chicago, IL

May 2025 – August 2025

- Built a custom product connector using C#, .NET, and Visual Studio; approved and published on the Tungsten Marketplace to accelerate pre-sales adoption
- Implemented and deployed agentic AI automation within TotalAgility, reducing manual data entry by 90% across 800+ partners and 25,000+ customers
- Designed and delivered a technical demo for the marketplace connector, enabling Sales Engineers and prospects to evaluate integration workflows in live demo environments

Arizona State University

Teaching Assistant - Theoretical Computer Science

Tempe, AZ

August 2025 – May 2026

- Delivered weekly technical recitations on Turing machines, automata, and computability to 300+ students
- Managed end-to-end assessment pipelines using Gradescope, Canvas, and Peerceptiv, improving grading consistency and turnaround time
- Resolved complex proof-based questions for 300+ students through structured consulting via email and Slack

PROJECTS

Adversarial Debiasing | Python, TensorFlow, AIF360

- Implemented adversarial debiasing to mitigate gender bias in income classification, using sex as the protected attribute on the UCI Adult dataset
- Trained and compared a biased vs. debiased model using IBM's AIF360, measuring fairness via equal opportunity difference and balanced classification accuracy
- Demonstrated measurable bias reduction while maintaining predictive performance across privileged / unprivileged groups

Bitcoin Price Prediction | Python, PyTorch, scikit-learn

- Built an RNN with LSTM architecture to predict Bitcoin closing prices from historical open, high, and low market data
- Achieved R^2 of 0.9978 on a held-out test set using Adam optimizer, StandardScaler normalization, and 80/20 train/test split
- Implemented inverse-transform evaluation to recover real-world price scale from standardized predictions

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, TypeScript, C/CPP/C#, Swift, SQL (PostgreSQL), JSON

Frameworks & Platforms: React Native, Node.js, Flask, .NET, Tailwind CSS, PyTorch, TensorFlow, scikit-learn, Pandas

Cloud & DevOps: Microsoft Azure, Google Cloud Platform, Docker, GitHub Actions, CI/CD

Tools & Methodologies: Firebase, Postman, Git, Jest, Jira, Agile/Scrum, SDLC