

# Zach Martim

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## Education

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**University of Utah – Kahlert School of Computing**, Salt Lake City, UT Aug 2022 – Apr 2026  
Bachelor of Science, Computer Science - AI/ML and Information Tracks

- Relevant Coursework: Algorithms, Artificial Intelligence, Computer Architecture, Computer Systems, Database Systems, Data Structures & Algorithms, Digital Image Processing, Foundations of Data Analysis, Physics I, Statistics
- Clubs: Technical Coding Club, Cyber Security Club, Portuguese Student Club

**Brigham Young University**, Provo, UT Aug 2021 – Apr 2022  
Bachelor of Science, Computer Science

- Relevant Coursework: Calculus I, II; Computer Systems

## Experience

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**ServiceNow, University of Utah**, Salt Lake City, UT Dec 2022 – Present  
Software Developer/Engineer Intern

- Engineered custom workflows, forms, KPIs, reports, and modules within ServiceNow, enhancing system functionality and user experience while working on a team of 15+ developers.
- Developed and maintained ServiceNow applications using JavaScript and HTML to optimize performance and ensure reliability.
- Resolved 150+ system bugs within the University of Utah's IT infrastructure, ensuring uninterrupted functionality and improving system uptime.

**Best Buy**, Salt Lake City, UT Aug 2022 – Dec 2022  
Sales Associate – Seasonal

- Drove sales targets by 8% by promoting the Total Tech membership and Best Buy credit card.
- Analyzed sales trends and inventory levels, contributing to optimized stock management and improved placement efficiency.
- Advised 50+ customers daily in selecting electronics, providing recommendations and troubleshooting.

## Projects

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**PC Builder Simulator** (C++, Qt) University of Utah, Fall 2024

- Developed the backend using the Box2D physics library, enabling users to research and select PC components within a budget while receiving detailed specifications and price comparisons.

**Automated Task Generation** (Javascript) ServiceNow

- Developed a script backing a catalog item to automate task creation, generating tasks at user-defined intervals.

**Teammato** (React, AWS Appsync) Summer 2025 – Present

- Developed and designed a browser-based application using a React frontend and AWS AppSync backend, enabling users to join servers and chat rooms for collaboration and study efficiency.

**Pre-Launch Product Analytics** (Python) Redo Agentic AI Hackathon, Aug 2025

- Built an agentic AI platform modeling user behavior through profile-driven agents, enabling companies to forecast product performance and optimize e-commerce strategies.

**Inversion Avengers** (React, Node.js, Javascript, FastAPI) University of Utah Air Quality Hackathon, June 2025

- Built an AI-driven chatbot powered by Utah Valley pollution data, enabling users to ask questions and receive strategies for reducing personal carbon footprint.

## Technical Skills

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<b>Languages:</b>	Python, C++, C, C#, JavaScript, HTML, CSS, SQL, Java, x86, MIPS
<b>Frameworks/Libraries:</b>	React, Node.js, FastAPI, Box2D, Qt, Docker, Ubuntu, Pandas, NumPy, Matplotlib
<b>Tools/Platforms:</b>	ServiceNow, AWS (AppSync, S3, DynamoDB, GraphQL API), GitHub, Linux, VS Code, Anaconda, Jupyter Notebook, Google Colab, Postman