

Gavin Holtzapple

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EDUCATION

Arizona State University

Bachelor of Science in Computer Science — GPA: 3.4

Tempe, AZ

Aug. 2021 – May 2025

EXPERIENCE

Product Manager Intern

Walmart

Jun. 2024 - Aug. 2024

New York City, NY

- **Reduced avg transaction time by 44%** by introducing bluetooth hardware & optimizing software.
- Created a **Sentiment Analysis Library & Scraper** in **Python** to track competitor's digital payment systems.
- Created Mural flows, Confluence docs, White papers, Figma mockups, and Powerpoints for Walmart [NDA].
- Invented an optimized QR code to **reduce Azure costs by 5%** and minimize the API Payload.

Software Engineer Intern

Rockwell Automation

Oct. 2023 – May 2024

Phoenix, AZ

- Developed **Full-Stack** solutions using **React/ Node.JS**, enabling efficient parsing of machine-generated data.
- Integrated **AWS** services including **EC2, DynamoDB, Lambda**, and **S3**, enhancing system scalability.
- Modernized test infrastructure by transitioning from **Protractor** to **Cypress** for improved test automation.

Software Engineer Intern

Cigna

May 2023 – Aug. 2023

Philadelphia, PA

- Developed **REST APIs** using **Java** and **Springboot** to retrieve prescription data from **MongoDB** databases.
- Developed **Full-Stack CRUD** interfaces using **React, Java, & Openshift** to interact with prescription data.
- Created a **Full-Stack app** with **React** and **Node** to improve company data processes for non-technical users.

Software Engineer Intern

Voice Media Group

May 2022 – Aug. 2022

Phoenix, AZ

- Developed **Full-Stack Applications** using **React** and **Node** to automate company QA processes, saving an estimated **\$60,000 per year** in expenses.
- Migrated **Full-Stack Javascript & Node** applications to **Typescript**, modernizing company development tools.
- Improved company website **SEO, UI, and UX** by modernizing user-facing web pages.

Teaching Assistant - Computer Science

Arizona State University

Jan. 2022 – Present

Tempe, AZ

- Taught concepts of **Java, Object-Oriented Programming, Data Structures**, and **Algorithms**.
- Directly lead over 2000 students to success by teaching computer science concepts and **Algorithm Design**.
- Created educational resources for students regarding commonly misunderstood programming concepts.

PROJECTS

Scoop (Robinhood Hackathon Winner) | Typescript, Javascript, React, Next, Git, Express, HTML, CSS

- Developed a **Full-Stack Web App** using **React** and **Node** to detect and predict epidemics in the USA.
- Analyzed & Visualized user-submitted symptom data to determine spreading illnesses by Zipcode.
- Created an **API** with **Express** and storage with **MongoDB** to store and retrieve all necessary data.

Kingston Investment Tools | Python, Flask, Javascript, Matplotlib, Pandas

- Automated **Python** investing strategies returning anywhere from **200% - 442%** over 5-year intervals.
- Created visualization tools using **Python** and **Matplotlib** for investors to analyze & plan their strategies.
- Used **Python** to develop a fair market value calculator, watchlist visualizer, and custom index maker.

LEADERSHIP

Volunteer Firefighter | Phoenix Fire Department

- Volunteer firefighter for the City of Phoenix under Search/Rescue and Medical divisions.

Community Assistant (Residential Assistant) | Arizona State University

- First line of contact for crisis alleviation and professional guidance for thousands of ASU students.

Vice President | ASU Esports Association

- Vice president of ASU's largest club. Led and managed sponsorships and finances for 3,000 club members.