

Joseph Holm

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EDUCATION

Arizona State University

Bachelor of Science in Computer Science — GPA: 3.8

Tempe, AZ

May 2027

EXPERIENCE

Docusign

Incoming Software Engineering Intern

- Incoming Summer 2025

Jan 2025 — Present

San Francisco, CA

EPICS: Campus Maps | Arizona State University

Backend Software Engineer

- Documentation lead for the team, contributing to backend infrastructure of campus navigation app
- Developed FastAPI geolocation service handling 20+ campus amenities with 200ms query response time
- Designed spatially-enabled PostgreSQL database using PostGIS extensions to store geolocation data
- Enforced code docs standards via GitHub PR reviews, accelerating team efficiency and organization

Jan 2025 — Present

Tempe, AZ

The Software Developer's Association

Software Engineering Intern

- Architected Vue.js chat interface with WebSocket integration for real-time cross-platform message synchronization across Instagram and WhatsApp
- Built and deployed REST API endpoints with Express and Node for secure message processing and retrieval
- Recognized as top-performing intern, presenting project to 100+ industry professionals at company showcase

Oct 2024 — Dec 2024

Tempe, AZ

Banner Health

Software Engineering Intern

- Minimized manual data entry errors by 25% by automating healthcare workflows using BluePrism
- Cut development time from 3 to 1.5 weeks by creating reusable BluePrism templates and schemas
- Built comprehensive RPA documentation enabling seamless operations team handoffs

Mar 2023 — May 2023

Surprise, AZ

PROJECTS

NightOwl | Python, Selenium, Docker, EC2

- Automated ASU Safety Escort Service workflows using Selenium web scraping, reducing chat processing time from 20s to 3s per request
- Transformed unstructured chats to JSON for easy parsing via OpenAI Assistants API
- Integrated Google Sheets API to auto-populate logs with client data, eliminating manual data entry errors
- Deployed Dockerized solution on EC2 for 24/7 reliability, handling 20+ nightly safety ride requests autonomously

Nov 2024 — Present

Trustify | Vue.js, JavaScript, Node.js

- Developed a Chrome extension that implements ML-based scoring algorithms to evaluate Amazon seller credibility and detect suspicious patterns
- Built ML pipeline to analyze seller metrics (account age, ratings, shipping origin) for real-time fraud detection

Oct 2024

findit. (sunhacks Hackathon Winner) | Vue.js, Python, JavaScript, Node.js, FastAPI, MongoDB

- Secured First Place at sunhacks 2024 by developing a vector-based product search engine
- Developed a retrieval-augmented generation (RAG) system using FastAPI and MongoDB Atlas Search
- Implemented fine-tuned language models and custom embeddings for improved user interactions

Sep 2024

LearnAI | React, Next.js, Node.js, TypeScript, MongoDB

- Built an AI-powered learning platform featuring structured course modules and personalized learning paths
- Optimized video content delivery by integrating YouTube Analytics API for targeted recommendations
- Designed real-time progress tracking system with MongoDB to customize user learning experiences

Aug 2024

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, Java, C/C++, SQL, HTML, CSS

Frameworks & Libraries: Vue, React, Angular, Node.js, Next.js, Express, Flask, FastAPI, Selenium

Databases: MongoDB, PostgreSQL, AWS (EC2, DynamoDB, Lambda, S3)

DevOps: Docker, Kubernetes, Git