Joseph Holm

623-383-3567 | joseph.holm27@gmail.com | joeyholm.com | linkedin.com/in/joseph-holm | github.com/Hololm

EDUCATION

Arizona State University   Tempe, AZ
Bachelor of Science in Computer Science — GPA: 4.0   *May 2027*

TECHNICAL SKILLS

Languages: Python, C, C++, Java, TypeScript, JavaScript, SQL, HTML, CSS
Frameworks & Libraries: React, Vue, Angular, jQuery, Node.js, Next.js, Express.js, Flask, FastAPI
Databases: MongoDB, MySQL, PostgreSQL
Cloud & Infrastructure: Kubernetes, Docker, Jenkins, AWS, Google Cloud, Azure, Firebase, Selenium, Linux

EXPERIENCE

The Software Developer's Association (SoDA)   Oct 2024 — Present
Software Engineering Intern   *Tempe, AZ*

- Selected as the top-performing intern to present project outcomes at a company-wide event, showcasing the messaging platform to an audience of over 100 attendees including industry professionals
- Developed the Vue chat interface for an all-in-one messaging platform, enabling users to send and receive messages across multiple platforms through a single web client
- Deployed REST API message endpoints using ExpressJS and NodeJS, allowing for secure message retrieval and processing
- Implemented a MongoDB database schema to efficiently store and retrieve user session data and messages, optimizing query performance and enabling real-time message synchronization across platforms

Banner Health   Mar 2023 — Apr 2023
Software Engineering Intern   *Surprise, AZ*

- Improved automation efficiency for healthcare workflows, resulting in a 25% reduction in manual data entry errors through the implementation of 5 new RPA processes
- Accelerated bot development cycles by 40%, reducing average project delivery time from 4 weeks to 2.5 weeks by architecting reusable backend script templates and standardized schemas in BluePrism
- Enhanced cross-team collaboration and knowledge sharing by creating comprehensive documentation for RPA solutions, including process design documents and user guides, facilitating smooth handovers to operations teams

PROJECTS

LearnAI | *React, NextJS, ExpressJS, NodeJS, TypeScript, MongoDB*   Aug 2024 — Present

- Built and deployed an AI-powered learning platform, featuring structured course modules and personalized learning paths
- Implemented a MongoDB-based system to store and update user progress in real-time, tracking course completions, quiz scores, and learning milestones to tailor the user experience
- Leveraged OpenAI Assistant API and YouTube Analytics API to optimize educational video recommendations

Trustify | *Vue, JavaScript, Python, FastAPI*   Oct 2024

- Developed a Chrome extension that implements ML-based scoring algorithms to evaluate Amazon seller credibility and detect suspicious patterns
- Architected a scalable backend API using FastAPI and Python to process real-time data from Amazon listings, integrating with the Chrome extension to provide instant seller credibility scores
- Injected real-time trust scores into Amazon product pages using JavaScript DOM manipulation, enhancing shopper decision-making

findit. (sunhacks Hackathon Winner) | *Vue, Python, JavaScript, NodeJS, FastAPI, MongoDB*   Sep 2024

- Secured First Place at sunhacks 2024 by developing a vector-based product search engine using MongoDB Atlas, improving search efficiency and scalability
- Implemented a retrieval-augmented generation (RAG) system using FastAPI and MongoDB Atlas Search, enabling AI-powered product recommendations
- Created a Vue-based chat interface with semantic product matching, utilizing fine-tuned language models and custom embeddings for improved user interactions