

Jacob Huynh

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EDUCATION

University of Virginia Charlottesville, VA
Master of Computer Science, GPA: 3.94/4.0 Aug 2025 - May 2026

University of Virginia Charlottesville, VA
Bachelor of Science in Computer Science, GPA: 3.93/4.0 Aug 2022 - May 2025

Relevant Coursework: Data Structures & Algorithms, Machine Learning, Natural Language Processing, Reinforcement Learning, Software Development, Cloud Computing, Databases, Operating Systems

Awards & Honors: 1st Place Overall, HackViolet (2025) | Best UI/UX Award, HackFax (2026)

WORK EXPERIENCE

Welld Health Jun 2025 – Aug 2025
Software Engineering Intern Charlottesville, VA

- Identified and resolved a critical string matching error, leading to over **\$5,000** in annual client savings.
- Developed internal tool using Ruby on Rails and EmberJS, speeding up manual error correction by **40%**.
- Engineered a test suite with mocked external API calls, validating error logging and data synchronization.

CreativeGlu Oct 2024 – Jan 2025
AI Developer Intern Washington, DC

- Helped secure **\$50K** in funding by developing and deploying an AI agent MVP, integrating Retrieval-Augmented Generation (RAG) and a Pinecone vector database to provide health risk knowledge and live chat support.
- Built a health data pipeline using LLM-generated summaries to optimize vector embedding and Pinecone indexing, improving natural language query accuracy by **20%**.

Booz Allen Hamilton May 2024 – Aug 2024
Software Engineering Intern McLean, VA

- Engineered a Rest API using Python/FastAPI managing **1,000+** entries for real-time AR synchronization.
- Built an AR tour guide mobile app using Unity, increasing visitor satisfaction by **45%** and engagement by **30%**.

Runway Feb 2023 – Oct 2023
Software Engineering Intern Atlanta, GA

- Improved click through rate by **20%** on project creation by implementing a user-centric UI/UX design in ReactJS.
- Developed landing pages for student and business accounts, engaging with over **400** daily visitors.

PROJECTS AND PROFESSIONAL DEVELOPMENT

PeakAI (Hackathon Winner) | *Python, FastAPI, PostgreSQL, ChromaDB, HuggingFace, LangChain* Feb 2026

- Built a multi-agent AI fitness platform, winning the **Best UI/UX Award** (presented by Peraton).
- Orchestrated a **4-agent system** via LangChain to analyze natural conversation, automatically extracting **25+** user profile attributes to provide real-time health, training, and nutrition analysis.
- Engineered a RAG pipeline querying **350+** documents and the Google Places API to generate personalized plans.

Fund Her (Hackathon Winner) | *Python, FastAPI, NextJS, JavaScript, Pinecone, MongoDB, Puppeteer* Feb 2025

- Developed an AI-powered application to match students with scholarship opportunities, winning **1st Overall**.
- Engineered a Puppeteer-based scraper to aggregate **200+** funding opportunities, totaling to **\$500,000+**.
- Designed and implemented Pinecone and MongoDB database architectures with RESTful FastAPI endpoints, achieving **95%** query accuracy.

Forge Launch Program | *JavaScript, React.js, Node.js, Express.js, Firebase* Mar 2025 - May 2025

- Architected full-stack React and Node.js applications integrating Firebase for secure auth and real-time sync.
- Delivered multiple production-ready projects implementing Agile Scrum, Git workflow, and MVC design patterns.
- Engineered robust Express.js REST APIs to manage user data with **99%** system uptime.

TECHNICAL SKILLS

Languages: Python, JavaScript, Java, Typescript, SQL, HTML, CSS, C

Frameworks/Libraries: React.js, Next.js, Node.js, Express.js, FastAPI, Langchain, Pytorch, Tailwind CSS

Tools: Git/Github, AWS, PostgreSQL, MongoDB, Firebase, Pinecone, Jupyter, Figma, Vercel, Postman, Swagger