

JACOB SHAHATIT

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EDUCATION

University Of California, Berkeley	<i>Expected May 2027</i>
BA: Computer Science, Regents Scholar(Top 2%)	
Coursework: Programming, Data Structures, Architecture, Discrete Math, Linear Algebra	
CIEE Global Institute Japanese Language and Culture Study Abroad	<i>June 2023 - July 2023</i>
CIEE Global Institute Spanish Language and Culture Study Abroad	<i>June 2022 - July 2022</i>

WORK EXPERIENCE

eNano <i>Python, Swift, Firebase, CoreLocation</i>	<i>May 2025 – August 2025</i>
<i>Software Engineer Intern</i>	
• Built the app's Bluetooth infrastructure from the ground up and integrated NanoTag devices for seamless real-time interaction.	
Portal Inc <i>TypeScript, Prisma, React, Vite, Node</i>	<i>Feb 2025 – May 2025</i>
<i>Software Engineer Intern</i>	
• Developed a fintech application that showcased stablecoins and Portal's MPC wallet infrastructure.	
Neurotech@Berkeley <i>Python, Matplotlib, NumPy, SciPy</i>	<i>Feb 2025 – Present</i>
<i>Software Engineer</i>	
• Integrated EEG technology to analyze brainwave data and detect emotional states.	
<i>Project Manager (Consultant for Power Kinetics)</i>	
• Evaluated and documented Power Kinetics' legacy Windows application and led planning discussions for a modern UI/UX redesign.	
CS Ed RD Lab, UC Berkeley <i>Python, React, Gmail/Twilio APIs</i>	<i>Sep 2025 – Present</i>
• Developed and integrated AutoRemind into GradeView, enabling personalized student notifications via email, text, and Discord, including assignment-specific resources and reminders for students.	
Berkeley Mobile <i>TypeScript, React Native, Node.js, Puppeteer, Python</i>	<i>Feb 2025 – Present</i>
<i>Mobile Developer</i>	
• Enhancing UI/UX for 50,000+ students by improving campus navigation, restructuring menus, optimizing load times, increasing usability, and engagement.	

PERSONAL PROJECTS

Labyrinth <i>TypeScript, React, Vercel, Supabase</i>	
Built an AI-assisted research visualization tool with mind map integration (HackMIT 2025).	
HiddenBlade <i>Arduino, Onshape, Bambu Studio</i>	
Connected EMG gesture data to a mechanical actuator, enabling gesture-controlled blade deployment.	
SignVisionTranslator <i>Swift, Vision Framework, CoreML, TensorFlow</i>	
Developed a sign language translation app using hand pose detection and on-device ML.	
Lecture Agent <i>Python, Flask, Postgresql, Whisper, Vercel, Next.js, OpenAI - 2nd Place Fetch AI YHacks</i>	
Automated lecture creation from slides with AI-driven text extraction, script generation, and narration.	

TECHNICAL KNOWLEDGE

Languages	Python, Java, TypeScript, JavaScript, C, SQL, HTML/CSS
Frameworks	PyTorch, NumPy, Pandas, React, Node.js, Flask, Express.js, Next.js
Developer Tools	PostgreSQL, AWS, Docker, Git, Linux, Figma, Firebase

ACHIEVEMENTS

Yale Hacks - 2nd place FetchAI Challenge
Blockchain @ Citrus Founder
The Rotary Club of Redlands Scholarship - Donald C. Anderson

EXTRA-CURRICULAR

Combat Robotics at Berkeley – Lead Engineer; Berk1337 (Cybersecurity club) – Officer;
