

# Jacob Staten

## Software Engineer

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### Summary

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Passionate, creative, and detail-oriented software engineer with an interest in full-stack development, blockchain development, and machine learning. Began software engineering work as an intern for a federal law enforcement agency and continued to hone skills by building full-stack web applications and learning new programming languages, frameworks, libraries, and databases. Proven track record of creating and implementing full-stack web applications. Looking to return to software engineering work and bring my skillset to a company with a global reach.

### Professional Experience

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**Las Vegas Metropolitan Police Department**, Las Vegas, NV Aug 2022-Present  
**Forensic Laboratory Technologist - Latent Print Detail**

- Determine suitability of friction ridge impressions for database searches and automated friction ridge matching and encode impressions meeting suitability criteria into the software platforms
- Utilized Python to create a program to analyze data from Microsoft Excel and generate graphs for samples during a nine-month long validation of a vacuum metal deposition system
- Examined logic of casework worksheets and debugged errors in code to increase efficiency of casework

**Federal Bureau of Investigation**, Las Vegas, NV Jun 2018-Aug 2022  
**Honors Intern - Cyber Squad**

- Collaborated with computer scientists to create applications, algorithms, and databases to assist Special Agents with investigations regarding ransomware, money laundering, and child sexual abuse materials
- Aided computer scientists in writing algorithms to analyze data from search warrant returns and compile necessary information into a readable format for Special Agents and support staff

### Recent Projects

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**Impetus Fitness** Nov 2023-Jan 2024

HTML, CSS, JavaScript, React, Tailwind CSS, Node.js, Express, MongoDB, Redux

- Full-stack web application with authentication that allows users to create, store, and edit exercises for a workout plan
- Managed global state with Redux and persisted certain parts of the state via Redux Persist

**Luxe Real Estate** Nov 2023-Dec 2023

HTML, CSS, JavaScript, React, Tailwind CSS, Node.js, Express, MongoDB, Redux, Firebase

- Full-stack web application with authentication that allows users to create and search through real estate listings with advanced search functionality including searching listings by title and filtering listings
- Created reusable React components and managed application state with Redux

**Vertex Decentralized Crypto Exchange** Nov 2023-Dec 2023

HTML, CSS, JavaScript, React, Tailwind CSS, Cranq, Alchemy, Smart Contracts Tools

- Full-stack web application with MetaMask pairing, live smart contract data fetching, and the ability to swap ERC20 tokens on the Goerli Testnet.
- Utilized custom hooks and utility functions for state management
- Created, compiled, and deployed smart contracts to the Ethereum blockchain

### Education

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**University of Notre Dame**, Notre Dame, Indiana Jan 2021  
Bachelor of Science in Biochemistry  
Honors: *cum laude* (GPA: 3.865/4.000)

### Technical Skills

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HTML, CSS, JavaScript, React, React Native, Tailwind CSS, Redux, Bootstrap, Next JS, Node.js, MongoDB, Express, PostgreSQL, Firebase, MySQL, Python, MATLAB, Git, Linux, Bash, Adobe Photoshop, Adobe Illustrator