

# Liam Evans

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## Education

Northeastern University, Boston, MA

May 2024

Bachelor of Science in Computer Science and Mathematics

GPA: 3.85

## Technical Skills

**Programming Languages:** Python | Java | JavaScript | TypeScript | HTML | CSS | Swift | SQL

**Libraries & Frameworks:** React | Next.js | React Native | Django | Flask | UIKit

**Tools & Platforms:** Git | GitHub | Heroku | Firebase | Selenium | Netlify

## Coding Projects

**Smart Sole** – [GitHub Link](#) (Upon Request)

Feb 2024 - Present

*Next.js, TypeScript, HTML/CSS, Django, Python, PostgreSQL*

- Co-founded Smart Sole, a start-up specializing in creating personalized, 3D printed shoes using users' step data.
- Developed full stack web application, facilitating interaction with Bluetooth sensors for real-time step data acquisition.
- Engineered backend architecture with PostgreSQL databases, ensuring efficient storage and management of sensor data critical for custom midsole design.
- Implemented WebSocket technology to handle real-time transmission of sensor data between frontend and backend, enabling data manipulation for dynamic display and analysis.

**FitCoin** – [Website](#) | [GitHub Link](#)

Apr 2024

*React, Typescript, HTML/CSS, Express, Node.js, MongoDB, Mongoose, Firebase, Render*

- Formulated full stack web application that links user's Strava account and rewards activities with in-app currency, allowing purchase of mystery loot boxes.
- Established backend REST API and database schema in MongoDB with Mongoose for storing and retrieving data.
- Integrated Strava API to authenticate user and retrieve activities for storage in database.
- Crafted UI using React, HTML and CSS, ensuring seamless user experience with optimal flow.

**Beta AI** – [GitHub Link](#)

Jan 2024

*Python, Jupyter Notebook, Flask, Ultralytics*

- Created indoor bouldering route generator using search algorithms and machine learning models.
- Trained hold recognition models with Ultralytics and integrated color algorithm to classify routes of same color.
- Devised uniform cost search algorithm with input features such as human metrics and hold details such as type, orientation, and difficulty to output an optimized route.
- Connected algorithm to React Native app with Flask API server, allowing users to take pictures of walls and visually see move options.

**Covey Town** – [Website](#) | [GitHub Link](#)

Dec 2023

*React, TypeScript, Node.js, Google Firebase, Render, Jest, Chakra UI*

- Furthered Covey Town, a 2.5D virtual space that connects people online through messaging and interactive spaces.
- Executed sprints in a 4-person team by implementing minimum viable products every week to complete the project in a timely manner.
- Led backend development for equipping and unequipping vehicles within rack area using web sockets for live updates.
- Conceptualized intuitive interfaces for areas within the map utilizing React components, CSS, and Chakra UI.

## Professional Experience

**Actuarial Co-Op**

January 2022 – June 2022

*John Hancock, Boston, MA*

- Corrected inconsistencies of over 10,000 policies during transferring process between an old and new system.
- Analyzed patterns within data in Excel to explain discrepancies thus saving hours of manual labor.
- Produced scripts in VBA to prepare various daily reports showing macro data about mismatching policies, streamlining the process of informing other teams about progress.
- Presented healthy lifestyle rider proposal to John Hancock senior actuaries, highlighting potential impact on policyholder risk assessment and premiums.

## Hobbies

Rock climbing | Obstacle course racing | Powerlifting | Basketball | Video games | Guitar | Piano | Chess | Urban farming