# Jacob Beene

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## EDUCATION

**Purdue University**                                                                    West Lafayette, IN
*Bachelor of Science in Computer Science*                                          *Aug. 2021 – May 2025*
*Bachelor of Science in Artificial Intelligence*
*Certificate in Entrepreneurship & Innovation*

## EXPERIENCE

**Software Engineer Intern**                                                          May 2024 – Present
*DrFirst – Backline*                                                                            *Remote*
- Led front-end development and prototyping of an attribute-based access control web application
- Created a web interface for a rules builder, enabling users to build "if-this-then-that" style automations
- Implemented new features and resolved bugs in the Backline+ iOS application

**Software Engineer**                                                              Jan. 2024 – May 2024
*Alpha Trade Engineering*                                                                       *Remote*
- Partnered with analysts to implement and automate a volatility trading strategy at scale
- Performed comprehensive data cleansing and feature implementation based on complex calculations
- Evaluated model's statistical validity, analyzing key indicators to validate performance

**Information Technology Intern**                                                  May 2023 – Feb. 2024
*Linde Advanced Material Technologies Inc.*                                            *Indianapolis, IN*
- Reduced development time by 10% by automating storage of program execution history
- Developed internal documentation and training resources for a new reporting tool
- Hosted global training sessions for employees ensuring seamless adoption of a new reporting tool

## LEADERSHIP

**Founder & President**                                                               Aug 2024 – Present
*Boiler Web Group*                                                                   *West Lafayette, IN*
- Engaging with student and faculty organizations to identify and acquire potential clients
- Leading efforts to drive organizational growth
- Devised mission, structure, and strategy for equipping teams with industry-relevant skills

**Student Ambassador**                                                                Aug 2024 – Present
*Entrepreneurship & Innovation at Purdue*                                            *West Lafayette, IN*
- Volunteered to facilitate recruiting events to increase program visibility and enrollment

## PROJECTS

**Minty** | *Swift, SwiftUI, SQLite.swift, CocoaPods*                                 Jan 2024 – Apr. 2024
- Designed an MVVM iOS application, enabling users to efficiently track personal finances
- Leveraged SwiftUI to build a responsive and intuitive user interface
- Integrated SQLite.swift for local data storage, utilizing custom data models, indices, and queries

**Apollo** | *MongoDB, Express.js, React, Node.js*                                    Jan 2023 – May 2023
- Led a Scrum team in developing a social media platform designed to assist Boilermakers with course registration
- Formulated sprint documentation, managed backlog, conducted reviews, and facilitated standup meetings
- Built a REST API to support application's features
- Wrote scripts to scrape relevant course information from the Purdue course catalog

## TECHNICAL SKILLS

**Languages**: Python, C, JS/TS, Java, Swift, Cypher, SQL
**Frameworks**: Vue.js, SwiftUI, Node.js, Express.js
**Libraries**: pandas, NumPy, SQLite.swift, Matplotlib
**Developer Tools**: Git, Homebrew, Xcode, WebStorm, Docker, Postman