

Michael Proeschel

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EDUCATION

Iowa State University

Bachelor of Science in Software Engineering

Ames, IA

Expected May 2027

EXPERIENCE

Web Developer

Drew's Mobile Detailing

July 2024 – August 2024

Lake County, IL

- Hired to build a website for a local business, increasing online visibility and boosting customer retention.
- Collaborated with teammates to output a responsive front-end using **HTML**, **CSS**, and **JavaScript**.

Caddie

Biltmore Country Club

May 2017 – Present

Barrington, IL

- Assisted in both individual and team atmospheres to achieve the best golfing outcomes for club members.
- Awarded Biltmore Scholarship for academic achievement by earning respect of members and club management.

PROJECTS

Stock Sight | *Jupyter, Flask, Python*

April 2025 - May 2025

- Developed and trained an LSTM forecasting pipeline in **TensorFlow/Keras**—ingesting 50-day windows of Close, MA10 and MA50 data via Yahoo Finance API—to predict next-day high/low prices.
- Built and deployed a **Flask** web app with Jinja templates and MinMaxScaler pipelines to deliver real-time, on-demand stock insights and handle invalid tickers gracefully.

DSPLN | *React, MongoDB, JavaScript, Tailwind, Node.js*

April 2025 - May 2025

- Engineered a website to help people track fitness and wellness goals. Involves a user account system to track workouts, food eaten, and personal information.
- Employed **JS**, **MongoDB**, **Nutritionix**, **Tailwind**, and **React** to deliver an aesthetically pleasing website.

Calcly AI | *HTML, CSS, Materialize, JavaScript, Botpress*

November 2024

- Collaborated with a team of two to develop an AI tutor model trained on Iowa State's Calculus course material and study guides using **Botpress**.
- Designed the front end of Calcly AI's mobile web application and presented my work at Iowa State's *Swan Hacks*.

LEADERSHIP / EXTRACURRICULAR

Phi Gamma Delta - Judicial Board

Iowa State University

January 2024 – Present

Ames, IA

- Guided and encouraged new members to make decisions reflective of our chapter's values.
- Worked to resolve any conflicts and disagreements between the members of our chapter.

Computer Science and Engineering Club

Iowa State University

Fall 2024 – Present

Ames, IA

AI and Machine Learning Club

Iowa State University

Spring 2025 – Present

Ames, IA

Weight Club

Iowa State University

Spring 2025 – Present

Ames, IA

TECHNICAL SKILLS

Languages: Java | C | Python | Verilog | G and M code | HTML | CSS | JavaScript

Databases: MongoDB | Firebase | MySQL | PostgreSQL

Frameworks: ReactJS | Node.js | Bootstrap | Materialize

AI: Kaggle | Knime | Open AI SDK | Data Analytics

Developer Tools: Git | Github | VS Code | Android Studio | IntelliJ | LM Studio

HONORS / AWARDS

Biltmore Scholar

(F23, S24, F24, S25)