Jason Ahern | Ohio State University | **4.0 GPA** | Computer Science & Engineering Major | Economics Minor

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Skills & Abilities

Languages — TypeScript, Python, Java, C#, C++, C, JavaScript, HTML/CSS, SQL (MySQL, PostgreSQL, SQLite, Oracle), XAML, VBA, x86-64 Assembler & MATLAB

Technologies —React, Vue.js, Node.js, Next.js, Express.js, Firebase, OpenCV, jQuery, .NET, Sequelize & Prisma ORM, Xamarin.Forms & MonoGame

Applications — Git, Amazon Web Services, Azure DevOps, Jira, Adobe Creative Cloud, Microsoft Office, SolidWorks, Power BI & gdb GNU Debugger

Experience

Teaching Assistant, FEH — The Ohio State University, Columbus, Ohio   August 2020 – Present

- Taught Fundamentals of Engineering for Honors (FEH), a two-semester course.
- Languages and skills taught: C, C++, MATLAB, Excel, SOLIDWORKS.
- Mentored first-year engineering students to ensure they receive a comprehensive education in the engineering design process and problem solving.
- Contributed to many course projects, developed course material and software.
  - Developed with TypeScript, Vue.js, Node.js, Python, C# .NET, C & C++

Software Engineering Intern — Patriot Software, Canton, Ohio (Remote)   May – August 2020

- Developed payroll and accounting web applications within a small, agile team, focusing on user onboarding and retention.
- Technologies: C# .NET, AWS, PostgreSQL, Agile with Jira, and Razor
- Created dozens of pull requests, including an internally facing individual project.

IT Intern — FirstEnergy, Akron, Ohio (Remote)   May – August 2021

- Improved important company database structure and contents using Oracle SQL.
- Optimized and automated important company reports with VBA and Python.
- Developed my communication and leadership skills with presentations to directors.

Education

The Ohio State University Honors College **–** Columbus, Ohio – **4.0 / 4 GPA.** Graduating Autumn 2022.

Bachelor of Science in Computer Science & Engineering, Minor in Economics.

Family Relations Chair, RallyCap Sports Ohio State Chapter, January 2020 – January 2022

Twinsburg High School – Twinsburg, Ohio – **4.53 GPA.** Graduated 2019. Honors Diploma.

Awards: National AP Scholar, Twinsburg Soccer Community Award, Perfect Attendance Grades 9-12

Captain of Varsity Soccer team, January – October 2018

Highlighted Projects

Robot Store Website — An Ohio State-proprietary website for instructors and students of FEH.

Enables students to purchase parts for their robots, among numerous other features.

Node.js, TypeScript, and Express.js REST backend with a Vue.js and TypeScript SPA frontend.

Terraform with AWS architecture. Used EC2, S3, RDS, DynamoDB, CloudWatch, IAM & Cognito.

Your Recipes — A recipe management mobile app on the Apple App Store and Google Play.

Introduced me to mobile app development and the process of publishing to app stores.

Created with Xamarin.Forms with C# .NET and SQLite. Source available on GitHub.

References Available upon Request.