

Brittany Parker

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Builder and lifelong learner with a Computer Science foundation, currently collaborating with engineers on real-world software projects while deepening expertise in AI and algorithms.

CURRENT FOCUS

Engineering Collaboration: Contributing to an education technology platform alongside software engineers—weekly meetings, feature development, and shipping real code in production.

AI & Machine Learning: Taking courses and building AI-powered tools, exploring practical applications in software development.

Data Structures & Algorithms: Deep-diving into CS fundamentals to strengthen foundation for complex technical challenges.

TECHNICAL SKILLS

Languages: C# (Primary), JavaScript, HTML, CSS, Java

Concepts: Object-Oriented Programming, Dependency Injection, Modular Design, Separation of Concerns

Applications: Desktop GUI Development, Game Development (2D/3D), Web Development

Tools: Visual Studio, Git, Windows Imaging, Microsoft Office

Learning: AI/ML, Data Structures, Algorithms, Modern Web Frameworks

TECHNICAL PROJECTS

Game Development — C#

- Built 2D and 3D platformers with physics engines, camera systems, and real-time rendering
- Developed Super Mario-style mechanics with scene management and game loop architecture

Desktop Applications — C#, Windows Forms

- Personal Finance Tracker, Weather Forecasting App, Note-Taking System
- Full GUI applications with data persistence and user-centered design

Console Applications — C#

- Calculator, Todo List Manager, Password Generator, Tic-Tac-Toe
- Focus on clean architecture, algorithm design, and modular code

EDUCATION

Davenport University — Computer Science Coursework

2015 – 2019

Visual Studio, C# programming, software design principles, object-oriented fundamentals

Collegiate Athlete — Track & Field

Invited to compete in Australia during senior year of high school; continued as D2 athlete at Davenport. Developed discipline, performance analysis, and competitive mindset through data-driven training.

PROFESSIONAL EXPERIENCE

Windows 10 Deployment Technician — MCPc, Inc. Nov 2019 – May 2020

Configured, imaged, and deployed Windows 10 devices for enterprise clients including Meijer, Steelcase, and Spectrum Health. Coordinated with cross-functional teams, installed security configurations, and ensured seamless OS migrations under tight deadlines.

GOA Lead — Avflight Sep 2020 – Sep 2021

Led ground operations team under strict FAA safety and compliance requirements. Coordinated with multiple departments in fast-paced, time-sensitive aviation environment.

Customer Service Agent — Randstad Aug 2024 – Oct 2024

Provided benefits enrollment support with clear communication, high data accuracy, and empathetic problem-solving in a metrics-driven environment.