

Cameron Dunn

571-623-2176 | cameron@camerondunn.net | linkedin.com/in/cameron-dunn | github.com/dunnncj | camerondunn.net

EDUCATION

University of Illinois Urbana-Champaign (UIUC)

Urbana, IL

Bachelor of Science in Computer Science, Grainger College of Engineering

Aug. 2025 – May 2029

- GPA: 4.0/4.0

- Relevant Coursework: Data Structures & Algorithms (CS 128, In Progress), Discrete Mathematical Structures (CS 173, In Progress)

Meridian High School

Falls Church, VA

High School Diploma

Aug. 2021 – May 2025

- GPA: 4.3/4.0 (Honors/AP/IB coursework)

EXPERIENCE

Website Manager

Jan. 2024 – Present

Welcoming Falls Church (Non-Profit)

Falls Church, VA

- Maintain and update nonprofit website to ensure accessibility and optimal functionality.
- Support organizational mission of welcoming new minority/under-treat community members.

Restaurant Host

Jan. 2021 – July 2025

Dogwood Tavern

Falls Church, VA

- Greet and seat customers in a fast-paced dining environment.
- Provide excellent customer service and maintain smooth front-of-house operations.

PROJECTS

School Newspaper Management System

2024

- Developed a custom management system for the MHS Lasso school newspaper.
- Streamlined article assignments, deadlines, and staff coordination into a single integrated application.
- **Technologies:** TypeScript, JavaScript, NodeJS, Firebase, Svelte, Git

Peer-to-Peer Networking Research (IB Extended Essay)

2024

- Researched scalability, efficiency, and fault tolerance of peer-to-peer architectures with focus on WebRTC for real-time web communication.
- Implemented prototypes using JavaScript, Node.js, and WebRTC APIs, analyzing trade-offs with client-server systems.
- **Technologies:** NodeJS, WebRTC

CodeQuest – Real-Time Coding Competition Platform

2024

- Designed and implemented a Kahoot-inspired web platform where participants write code as answers in live competitions as part of the congressional app challenge
- Built interactive **front-end interface** with dynamic question rendering and real-time scoring.
- Gained experience balancing **project scope and time management** in a high-pressure environment.
- **Technologies:** TypeScript, Node.js, WebRTC, Firebase

TECHNICAL SKILLS

- **Languages:** Python, Java, C++, Rust, TypeScript, HTML/CSS
- **Frameworks/Tools:** React, Svelte, Node.js, WebRTC, Docker, Linux, Nix
- **Leadership:** Team Management, Project Planning, Mentorship, Public Speaking

EXTRACURRICULARS & LEADERSHIP

Robotics Programming Captain — Led programming, implementation, and testing for competition robots (2021 – 2025).

Society of Hispanic Professional Engineers (SHPE) — Active member (2025 – Present).

B[U]ILT (Black, Indigenous, and Latinx in Tech at UIUC) — Student-led support and outreach in computing (2025 – Present).

Eagle Scout — Earned highest rank; organized community service projects (2012 – 2025); Senior Patrol Leader (SPL).