

Daniel Huinda

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Education

- Washington University in St. Louis** St. Louis, MO
B.S. in Computer Science Aug 2023 – May 2027
- **Relevant Coursework:** Computer Engineering, Data Structures & Algorithms, OOP Software Development, Data Science, System Software, HCI, Artificial Intelligence, Computer Design
 - **Honors:** Dean's List All Semesters
 - **Extracurricular:** Robotics, StudLife Newspaper (Photo), WashU Film Club, WashU Symphony

Experience

- Software Engineering Intern** St. Louis, MO
The Boeing Company — F/A-18E/F Mission Systems May 2025 – Present
- Performed static analysis and remediated over 300+ security findings on a multi-million line C++ Mission Systems codebase, reducing high-severity findings by over 50%.
 - Debugged CI/CD pipelines to reduce compilation failures on delivered software to ensure timely delivery to the customer.

- Product Development Intern** St. Louis, MO
James M. McKelvey Laboratory Dec 2024 – Present
- Utilize robotics to prototype manufacturing processes for the world's first disposable, biodegradable diaper.

- Teaching Assistant** St. Louis, MO
Washington University in St. Louis Aug 2024 – May 2025
- Assisted Intro to CS (Fall '24), OOP Software Development (C++) (Spring '25)
 - Hold office hours to assist students and provide one-on-one guidance to strengthen understanding and coding practices.

- Technical Director & Chief Software Engineer** St. Louis, MO
Washington University Robotics Club — Rover Team June 2024 – Present
- Lead development and integration of subsystems from five teams to build a rover for the University Rover Challenge (URC).
 - Train over 40 members in version control, project management, and communication tools.
 - Oversee documentation, track progress, and ensure compliance with project and competition requirements.

Highlighted Projects

- Escra — Blockchain-Powered Escrow Contracts for Freelancers (W.I.P.)** 2025
- Developed the back-end of Escra, a user-friendly novel payment platform concept using the Solana platform and MongoDB to ensure mutual delivery of funds to the freelancer and delivery to the client. Developed and presented at the 2025 Hack Midwest 24-hour hackathon.
 - Skills: Python, React, MongoDB, Solana (Blockchain)
- NodeCode — Visual Code Designer** 2023
- Co-developed a visual programming tool allowing users to create programs by connecting nodes, presented at the 2022 National TSA Conference (5th place nationally).
 - Skills: C#, UI Design, Collaborative Development

Technical Skills

Languages: C++, C, Java, C#, Python, JavaScript/HTML/CSS, Assembly (x86 / RISC V), SQL (Beginner), SystemVerilog (Beginner)

Technologies: .NET, ROS, React, No-SQL Databases, Blockchain

Skills: Desktop Development, Embedded Systems, Microcontrollers / SOCs, FPGAs, REST APIs, Assembly, Web Dev, Static Analysis, Security