Vincent J. Conlee

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Software Engineer with a 3.97 GPA at Texas A&M, experienced in Rust, C++, and Python.

Education

- **Texas A&M University** — College Station, TX
  Junior Pursuing a Bachelor in Computer Science; GPA 3.975, Deans List — *Aug. 2023 – Present*
  - Key Courses: Computer Organization, Programming Languages, Data Structures and Algorithms Discrete Structures Computing, Honors C++ Program, Intro to Computing, Linear Algebra, Statistics
- **Carl Sandburg College** — Galesburg, IL
  Dean's list, GPA 4.0, 37 Credit Hours — *Aug. 2022 – May 2023*

Skills

Languages: Rust, C/C++, Python, Zsh, Powershell, Bash, LaTeX, x86 Assembly, Java, OCaml, HTML/CSS, R

Developer Tools: VsCode, Vim, Github, Virtualbox, CFs, ROS2, RACS2, WSL, CoPilot, Zoxide, Utop, Antlr4

Work: H3 Outdoor: Carpenter 5/2024 - Present, Walmart: Maint. 9/2023 - 4/2024, Conlee LLC: Labor 2/2020 - 8/2023

Projects

- **TaskCrab** — Rust GUI Project
  General To-Do List made with Iced crate — *Feb. 2025 - May 2025*
  - Utilized the Iced crate which uses Elm Architecture to create a GUI that makes it easy to maintain a to-do list
  - Used the Serde crate to store tasks in a json and retain the specifics of the tasks, i.e. time, date, and priority
  - Implements functions to create a priority queue to order the tasks based on different criteria given by the user
  - Wrote Z-Shell scripts to automate version control through Git and run TaskCrab from external directories
- **Karura** — International Rover competition
  Rover Communications — *Jun. 2025 - Present*
  - Collaborating on the communications system for a rover for a larger team of students from TAMU and Japan
  - Used a drone and mesh networking to extend the range of the rover and allow it to be tested in a larger area
  - Designed the Publisher Subscriber system to allow the rover to communicate with the base station using ROS2
  - Used open source RACS2 software to bridge ROS2 and CFs and handle telemetry and commands for the rover
- **CPU** — School-Sanctioned CPU Creation
  64b x86 CPU — *Mar. 2025 - Apr. 2025*
  - Worked with a team of 3 to create a 64b CPU using Logicism and WaveDrom that can run x86 Assembly code
  - Broke it down into 5 stages: Fetch, Decode, Execute, Memory, Writeback to create sequential architecture
  - Learned to lead and push other students to complete the project on time and to a high standard
- **Personal Computer** — Computer System for AI Projects
  Ryzen 9 9900x GeForce RTX 5070 — *Mar. 2025*
  - Implemented a Dual-boot in order to run Windows and Linux Mint on the same machine
  - Uses Virtualbox and WSL instead to run Ubuntu for ROS2 and PyTorch projects

Interests

Clubs Aggie Coding Club, Aggie Competitive Coding Club, Obstacle Course Racing, Spanish Catholic Choir, Yacht Club

Hobbies: Music Theory, Snowboarding, Reading, Journaling, Songwriting, Cooking, Chess, Traveling, Self-Actualization

Band: Guitarist, Vocalist, Pianist and Publicist for a rock cover band named "The Navier Stokes" (Nerdy, I know)