

# Owen Wild

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## EDUCATION

**Clarkson University, Potsdam, NY**

**Expected May 2027**

**Bachelor of Science in Computer Engineering, and in Computer Science, Minor in Mathematics**

GPA: 3.93/4.0

**Honors:** Presidential Scholar Clarkson (Every Semester Attended)

## TECHNICAL SKILLS

**Languages:** C++, C, VHDL, Verilog, Swift, Go, Python, Java, JavaScript, React, MATLAB, HTML, SPICE, TypeScript

**Software:** Visual Studio Code, Vivado, Quartus, Linux, Microsoft Excel, Xcode, PyCharm

## RELEVANT COURSES

**CS and CE classes, Clarkson University, Potsdam, NY** Student, Fall '23–Spring '26

- CS 344 - Data Structures and Algorithms, including binary trees, sorting algorithms, and program runtimes
- EE 341 - Microelectronics, including PN Junctions, MOSFETs, BJTs, and their applications
- CS 470, Deep Learning, covering modern deep learning neural networks, convolutional neural networks, and more
- EE 365, Advanced Digital Circuit Design, including logic gates, I/O, and design of programmable FPGA boards

**Study Abroad, University of Technology, Sydney, Sydney, Australia** Student, Spring '25

- EE 321 Systems and Signal Processing, MA 339 Applied Linear Algebra

## PROJECTS

**Flight Search Website** Partner, Spring '26

- Developed a full stack web application with a partner that would display the best flight information over multiple possible routes, working to create a fully working, marketable product
- Built and hosted a backend python app hosted on google cloud, using python's FastAPI and Amadeus FlightSearch API
- Built and hosted the front-end design on Netlify, using typescript, and NodeJS to send requests to the backend

**Advanced Digital Circuit Design, Potsdam NY** Student, Fall '25 - Spring '26

- Designed and implemented different projects using VHDL on the Cora Z7 and DE0 Nano FPGA

**Computer Building, Self-Directed, Saratoga Springs, NY** Computer Repair, Assembly '20–current

- Built, repaired, and sold 20+ computers: reseating and cleaning components, fixing bent pins on CPUs, reseating and reapplying thermal paste on GPUs, and testing and assessing individual parts and components
- Completed 10+ builds commissioned by my local community and surrounding areas to build custom desktop computers, tailored individually to the needs of my customers

**JavaScript Bedwars Bot, Self-Directed, Saratoga Springs, NY** Partner Coding Bedwars Bot, Spring '22, Summer '22

- Created a bot that mimicked a player's movements in a popular minigame in Minecraft in JavaScript
- Obfuscated and marketed this product to the gaming community, generating over 50 sales

## WORK EXPERIENCE

**Electrical Science and Mathematics TA, and Tutor, Clarkson University, Potsdam NY** Fall '24 - Present

- TA for ES 250 Electrical Science, conducting office hours, and proctoring and grading exams
- Tutor private groups and drop in hours for all freshman engineering courses including Calc I-III, Phys I-II, & Chem I-II

**Computer Specialist at Kaffee House, Saratoga Springs, NY** Computer Specialist '22

- Sourced and assembled components for a specialized computer for large compute tasks involving AI with special emphasis on facial recognition and machine-learning workflows

**Bike Assembler, Volunteer Position, Bike-a-toga, Saratoga Springs, NY** Sep '22 - May '23

- Repaired bikes for people in the community and built bikes to distribute, helping to make bikes accessible to all
- Worked with others in the shop to take inventory and make sure everything was running efficiently

## EXTRACURRICULARS

- Classically trained pianist, performing regularly with SACD, CDYC, and the Katie Hooper music studio, 2012-2025
- Performed solo for the Board of Trustees meeting at the Clarkson University President's house 2023
- Long distance road cycling, hiking high peaks in the Adirondacks, Jiu Jitsu, Japanese, President of Philosophy Club
- Volunteer trail building deep in the Adirondack wilderness with Adirondack Mountain Club