

av Aidan Vancil

Reno, NV 89502 | 941-720-6755 | aidan.c.vancil@gmail.com

aidanvancil.github.io | <https://www.linkedin.com/in/aidan-vancil/> | <https://github.com/aidanvancil>

Technical Skills

- **Languages:** Python, Javascript, SQL, C++, Bash, CSS, HTML5, JSON
- **APIs:** RESTful (*fluent*), GraphQL (*basic*), Insomnia, ReadyAPI, Postman
- **Methodologies:** Agile (*familiar*) Scrum (*familiar*)
- **Security:** Cryptography, Burp Suite, MITRE ATT&CK, Linux
- **DevOps:** Docker, Kubernetes, Ansible, Terraform, CI/CD, Github, Gitlab
- **Databases:** MongoDB, MySQL, DynamoDB
- **Frameworks:** Django, React, Express.js, Next.js, Node.js, Typescript, TailwindCSS, FastAPI, Bootstrap, SCSS
- **Other:** Object-Oriented Programming, Computer Vision (OpenCV)
- **Computing:** Amazon Web Services (AWS), UI/UX (Figma), Version Control, Test-Driven Development (TDD), ELK Stack, Data Science

Education

The University of Nevada, Reno (UNR): 2022 - 2024 - Bachelor's of Computer Science & Engineering (ABET Institution)

~Minor: Mathematics, Dean's List: x2, 4.00 GPA, Projected Summa Cum Laude & Top 1% (Projected Grad: Spring 2024)

The University of Nevada, Reno: 2023 - Nevada IMBRE Machine Learning Bootcamp

~Stack/Tools: numpy, pandas, scikit, Python

Truckee Meadows Community College / Magnet High School (TMCC), Reno, NV: 2019 - 2022 - Associate of Science

~Summa Cum Laude, Dean's List x4, 3.98 GPA, Declared Valedictorian (1/91 Students)

Course Work

Programming Language Implementations (CS 326)

Analysis of Algorithms (CS 477)

Database Management System (CS457)

Computer Networking (CPE 400)

Software Engineering (CS 425)

Artificial Intelligence (CS 482)

Working Experience

Cloud Solutions Engineer Intern @ Amazon Web Services (AWS), WA, Seattle, May 2023 - August 2023

- **Stack/Tools:** Python (*fluent*), JSON (*fluent*), AWS (*fluent*).
- Developed 10+ virtual JSON IAM policies, reduced system idleness of client EC2 fleets by 57%, and successfully delivered 20+ Lambda functions, allowing for cost-optimized and stable applications.
- Automated billing and resource alerts for EC2 instances and load balancing through CloudWatch, resulting in potential cost savings of over \$1,000 per month by optimizing hardware usage.
- **AWS Certified Cloud Practitioner** (2023 - 2026) + **Solutions Architect Associate** (2023 - 2026)

Software Developer Supported By: Google @ Techwise (i.e. Talentsprint) March 2022 - August 2023

- **Stack/Tools:** CSS (*fluent*), Python (*fluent*), Ruby (*familiar*), Git (*intermediate*), HTML5 (*fluent*), Javascript (*intermediate*), Express (*intermediate*), Node.js (*intermediate*), Postman, Insomnia, MySQL, Flask, MongoDB
- Selected as 1 of 20 from 5,000 candidates nationwide for this rigorous 18-month software engineering program for high-achieving diverse talent based on leadership potential, academic success, and technical skills.
- Recognized and mentored by a Google Software Engineer.

Database Engineer @ STIHL National Air Races, NV, Reno, September 2021

- **Stack/Tools:** MySQL, SQL (*intermediate*)
- One of two people who built a POS database for 56,000+ spectators. Successfully collaborated with a partner to create a highly efficient database instance, normalized data, and ensured minimal downtime through fault-tolerant replicas and disaster-recovery plans, resulting in over \$700,000+ in sales.

Frontend Software Developer + Marketing Internship @ TMCC, NV, Reno, June 2021 - August 2021

- **Stack/Tools:** HTML5 (*fluent*), CSS (*fluent*), Javascript (*intermediate*), Embedded Javascript Templates (*familiar*)
- Pushed [Handshake's](#) Single-Sign-On (SSO) and API to TMCC's own [site](#) as seen via the domain of the deployment, by collaborating with TMCC's Information Technology department to import student data.
- Accelerated the growth of student sign-ups from 80 to 1,200 over two weeks (1400% increase), as monitored from Handshake's analytics page, by dispatching features on [EDAWN](#) whilst also being a public speaker for four of TMCC's administrative council conferences regarding the *Handshake* job board.

Projects

Mezzo, Musical + Social Platform ([Github](#))

- **Stack/Tools:** JSON Web Tokens, MongoDB, React, Express, Node.js, Spotify API (10+ Endpoints), Postman, Sessions, Figma, CI/CD
- Led a team of 3 to develop a musical application contributing to ~46% of the codebase.
- Presented to 30 senior software engineers, receiving praise.
- Contributed to 34+ pull requests and code reviews via Github.

WeTour, Tourism App ([Github](#))

- **Stack/Tools:** Django, FastAPI, Twilio, Google Maps, MapQuest APIs, TailwindCSS, Postman, CI/CD
- Directed a group of 3 in creating WeTour, a web-based app, showcased to 20 senior software engineers and over 400 people.
- Reduced CI/CD pipeline time by ~20% through smaller commits and incremental builds + resolved dependency conflicts via containerization.

maskr, Generate AI Tool ([Github](#))

- **Stack/Tools:** Django, OpenAI API, TailwindCSS, SQL, Figma, Insomnia, OpenCV, Matplotlib, numpy, Meta AI | Segment Anything
- Took charge of a team of 3 to develop a web app powered by AI.
- Identified and fixed 10+ bugs, resulting in improved application stability.
- Demonstrated strong technical skills by contributing ~97% of the code and providing nearly 20 hours of mentorship in the span of 48 hours.

Synonymy, Semantic Guessing Game ([Github](#))

- **Stack/Tools:** Django, Word2Vec, Gensim, NLP, TailwindCSS, Figma, Javascript
- Reduced latency guessing times by 300% using advanced NLP techniques, as measured by request times, allowing for a smoother user experience.
- Decreased API costs by 20% by implementing rate throttling and debouncing techniques.

Awards/Certifications

- \$5,000 Google: TechWise, "Future World-Class Software Engineer."
- National Cyber League, 2020 Fall, 9th place out of 922 teams.
- \$32,000 Presidential Scholarship.
- \$5,000 AFCEA STEM Majors Cyber Security Scholarship.
- \$200, 2nd out of 90 in UNR HackerRank Programming Competition.
- \$200 Nevada IMBRE Machine Learning Scholarship
- Zoho Catalyst: Hackathon Qualifier by engineering an agile B2B tool.
- \$400, 2nd out of 30 teams in UNR Hackathon for Machine Learning

Association

Vice-President, [NCC](#) [UNR, Nevada Cyber Club (2019, December - 2022, April)]

Member, [UNR/CS](#) [UNR, Nevada Computer Science Asc. (2022, August - Present)]

Member, [UNR/ACM](#) [UNR, Computer Science Asc. of Machinery (2022, August - Present)]

Software Engineer TIP Fellow, [Edlyfi](#) [Technical Interview Prep (TIP), (2023, August - Present)]