

Micheal Whitney

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EXPERIENCE

VEST CAPITAL

Remote Position

Software Developer

2024 - Present

- Designed and deployed data aggregation and analysis tools using **Python** and **MySQL**.
- Integrated **Anthropic's Claude API** to leverage LLM intelligence
- Designed frontend UI/UX, built with React, JavaScript, HTML and CSS
- Designed, implemented, and optimized MySQL database tables
- Built and integrated RESTful API's, built through Node.js and Express
- Ensured high code quality and maintainability through testing and debugging

TOLKO INDUSTRIES

Slave Lake, Alberta

IT Systems Student

2020 - 2022

- Assisted in maintaining IT infrastructure, server configurations, and network troubleshooting
- Provided technical support for hardware and software issues, troubleshooting system issues for end-users
- Deployed and configured infrastructure projects, including a scalable Raspberry Pi-based remote camera monitoring system

Selected Project Experience

- LineupWizard.gg
 - Architected and built an interactive web application for exploring video game strategies using React, JavaScript, Node.js, and MongoDB
 - Designed and implemented RESTful APIs to power data interactions and streamline front-end/back-end communication
 - Optimized server-side logic and front-end code, significantly improving application performance and load times
 - Deployed and maintained the application through Firebase and Google Cloud Platform, managing hosting and CI pipelines
- Capstone Project: Mobile Organizer App (Android Studio, Java)
 - Lead a team of six in the design and development of a mobile application used for organizing and hosting events
 - Implemented role-based user permissions (User, Admin, etc)
 - Used Google's Firebase to store user information, as well as user uploaded content
 - Converted client requirements into technical specifications, UI mockups (Figma), and functional code

EDUCATION

UNIVERSITY OF ALBERTA

April 2025

Bachelor of Science in Computing Science, Minor in Psychology

- Relevant Coursework: Algorithms, Software Engineering, Machine Learning, AI, Reinforcement Learning, Natural Language Processing, Data Science

SKILLS

- **Programming Languages:** Python, JavaScript, Java, C#, HTML, CSS, SQL
- **AI & ML:** OpenAI API, Anthropic Claude API, Machine learning coursework, Natural language processing coursework
- **Frameworks & Libraries:** React, Node.js, Express.js, Bootstrap, BeautifulSoup, PlayWright
- **Databases:** MySQL, MongoDB
- **Cloud & DevOps:** Google Cloud Platform, Firebase
- **Software/Tools:** GitHub, FireBase, Android Studio, MongoDB, Postman, Unity, Figma

AWARDS

- Red Bull Athlete representing Canada (Red Bull Campus Clutch 2022)
- Highschool Valedictorian (2020)