

Vincent Ho

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EDUCATION

University of Calgary

Bachelor of Science in Computer Science

Concentration: Information Security

Cumulative GPA: 3.5/4.0

Coursework: Computer Security, Computer Networking, Operating Systems, Software Engineering, Data Structures, Algorithms, Software Design, Project Management, Data Base Management Systems, Data Visualization, Statistics

Awards: Owen Family Scholarship, President's Admission Scholarship, Vivian Stevenson Scholarship

Calgary, AB

Sep. 2020 – Jun. 2024

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, JavaScript, HTML/CSS, Ruby, R

Frameworks: Bootstrap, React, Node.js, JUnit, WordPress, Ruby on Rails

Tools: Git, SVN, VS Code, Eclipse, Android Studio, MySQL, Postman, Heroku, Tableau, MS Office, Trello, Figma

Operating Systems: macOS, Microsoft Windows, Linux

Other skills: IT Software/Hardware Support, Cybersecurity, Troubleshooting, Problem-Solving

Certification: Google IT Support

PROJECTS

Crypto News App

[Demo](#) & [Github](#)

React, JavaScript, HTML, CSS

- Developed a user-friendly platform utilizing React.js, which offers dynamic cryptocurrency search and exploration, detailed insights and news about cryptocurrencies, as well as a mobile-responsive design
- Integrated the cryptocurrency data and news data APIs, accessing a database of the top 100 cryptocurrencies with news articles using asynchronous JavaScript, processing over 500 API calls daily for real-time information updates
- Implemented a customizable news section that enables users to select their preferred cryptocurrencies and receive real-time articles and updates
- Utilized Chart.js to implement data visualization techniques, allowing users to track cryptocurrency price trends and analyze historical data

My Vietnamese Delight

[Github](#)

Ruby on Rails, SQLite, Rails Active Record

- Collaborated with a team of three to design and develop a Vietnamese restaurant website
- Utilized the MVC model to create an intuitive online restaurant platform, offering menu exploration, food ordering, order management, and a convenient shopping cart
- Implemented a management system that empowers the site administrator to perform essential CRUD operations for managing menu and employee information
- Created and managed an SQLite database and implemented data operations using Rails Active Record for seamless data handling
- Enhanced website security and user access control by adding authentication and authorization functionalities

CineMagic

[Demo](#) & [Github](#)

React, JavaScript, HTML, CSS, Bootstrap

- Led a 5-member team in developing an intuitive, user-friendly cinema ticket-ordering website
- Crafted a detailed project proposal, set up and configured the development environment, and monitored project milestones to ensure timely and successful delivery of the cinema ticket-ordering platform
- Created several low-fidelity prototypes in Figma, advanced to a medium-fidelity horizontal prototype highlighting essential system features, and finally built a comprehensive system with full vertical functionality
- Implemented a task-centred design approach and conducted heuristic evaluations to optimize the user interface and functionality, ensuring the cinema ticket-ordering system was both intuitive and aligned with best UX practices

Dictionary App

[Github](#)

Java, Android Studio

- Leveraged Java and Android Studio to create an intuitive and user-friendly mobile dictionary application
- Integrated a REST API to fetch word definitions, synonyms, antonyms, and example sentences in real-time, ensuring up-to-date and comprehensive data
- Engineered an audio feature for instant pronunciation of 10,000+ words, boosting user engagement