

Micheal Nguyen

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Technical Skills

- **Languages:** Python, HTML, CSS, JavaScript, C#, C++, C, Java
- **Frameworks/Libraries:** ASP.NET Core MVC, Telerik Kendo UI, React.js, Express.js, Bootstrap, jQuery, LINQ
- **Databases:** MongoDB, SQLite3, MySQL, SSMS
- **Technologies:** Git, Azure DevOps (TFS), REST APIs, Postman, Ajax, Visual Studio 2017/2019, Android Studio, Linux

Education

University of Alberta

BSc, Computing Science

2015-2021

Edmonton, Alberta

Work Experience

Alberta Investment Management Corporation

Business Technology Delivery Co-op

May 2019 - April 2020

Edmonton, Alberta

- Full stack web development using ASP.NET Core MVC framework
- Razor views with Bootstrap 4/jQuery/AJAX for frontend and C#/Microsoft SQL Server for backend
- Software development and delivery applying agile scrum methodology
- Quickly integrated within a team of developers, leading multiple workflows in a year-long project
- Created over 200 units tests for existing web application to improve code coverage by over 50%
- Worked with a team of senior web developers to build an internal website to improve user accessibility of risk management data for over 50 users

College and Association of Registered Nurses of Alberta

IT Support Summer Student

May 2018 - Aug 2018 & Dec 2018 - Jan 2019

Edmonton, Alberta

- Worked in and alongside a team of IT Professionals
- Triaged and solved over 100 end-user tickets and inquiries regarding Desktops, Mobile Devices, Remote Workstations, SharePoint 2013, Exchange 2013, Microsoft Office 2013, Windows 7, and Windows 10
- Imaged and deployed over 50 desktops to end-users using CloneZilla
- Managed secure wipe and sale of old systems
- Setup and installation of over 100 user workstations at new location

Projects

React Website – AI Global Online Assessment | MongoDB, Express.js, React.js, Node.js, REST

- Built a full-stack web application following an external client's use cases and requirements to allow users to create and take online assessments
- Focused on app security by implementing JWT access and refresh tokens for user authentication with SHA-1 password encryption
- Created over 100 unit tests and selenium tests that validate implemented functionality and stability of the website

Android App – Service Marketplace | Java, ElasticSearch

- Designed and developed an android app that allowed users to efficiently request and offer services
- Incorporated ElasticSearch to enable app data to be stored persistently in an online NoSQL database

Starcraft AI – Hard Level Bot | C++

- Developed a Starcraft bot that can defeat built-in AI difficulties up to Hard

Gomoku Solver | Python

- Created a solver for the strategy board game Gomoku through a command-line interface
- Applies minimax alphabeta tracing to solve the state of a board