Michael **Sirna**

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Education

University of Guelph
Sept. 2022 - Present

Bachelor of Computing (B.Comp.)

Guelph, ON

- Expected Graduation: Winter 2024

George Brown College
Jan. 2020 - Apr. 2022

Computer Programmer Analyst (T127)

Toronto, ON

- Acquired 3.92 GPA
- Awarded Dean's List in all semesters

Projects

CIS 2750 Molecule Viewer
Apr. 2023

Type: Academic

https://github.com/msirna

- Allows users to upload, delete, and view .SDF files.
- Allows users to modify how atoms are displayed.
- Saves .SDF files to a database.
- Back-end: C, Python, Swig, and SQLite
- Front-end: HTML, CSS, Javascript, and jQuery

Sitekick Remastered
Oct. 2020 - Present

Type: Personal

https://sitekickremastered.com/

- Created various bots for Discord server using Java:
  - Kablooey - Allows admins to send messages and announcements to users in server.
  - Authicer - Allows users to link their Discord accounts to Sitekick Remastered.
  - SitePic - Allows users to create profile pictures.
- Helps other members in debugging game and database code whenever needed.
- Currently working on new website reminiscent of an older version of YTV.com.

Smart Voting
Apr. 2022

Type: Academic

https://github.com/smartvoting

- Secure web application that allowed for elections to be held digitally.
- Used ledger database to securely and transparently keep track of votes as they are cast.
- Included info on election procedures and candidates.
- Back-end: .NET 6 Web API
- Databases: Amazon RDS for PostgreSQL, DynamoDB, and QLDB
- Storage: Amazon S3
- VM Instances: Amazon App Runner
- DNS Service: Cloudflare
- Front-end: React

See more at msirna.github.io

Technical Skills

Languages

HTML • CSS • JavaScript • PHP • SQL • Fortran • Ada • COBOL • Python • Java • Processing • TypeScript • C • C# • LaTeX

Libraries and Frameworks

Bootstrap • jQuery • React.js • Express.js • Node.js • Mongoose.js • Angular • ASP.NET

Tools and Operating Systems

Visual Studio • IntelliJ • Unity • Android Studio • MongoDB • Adobe Creative Suite • Microsoft Office • Google Workspace • Windows • Linux

Other

Agile • Scrum • Waterfall • DevOps • Model-View-Controller

Volunteer Experience

Programmer
Oct. 2020 - Present

Sitekick Remastered

https://sitekickremastered.com/

- Programs various bots using the Java Discord API for server with over 700 people to improve user experiences, add features, and aid future development.
- Assists in quality assurance testing during beta release while improvements and bug fixes are made.
- Coordinates and communicates with other team and server members across Canada to discuss ideas, as well as take feedback for bots and the game.
- Studying various languages to further aid the development of bots, the game, and the website.

Stage Technician
Sept. 2015 - Jun. 2019

Leaside High School

- Promoted to a leadership position teaching 70+ members the safety procedures and proper operation of the various types of equipment used in theatre production.
- Supervised setups and strikes; watching over and helping crew members to ensure staff and student safety during production runs.
- Communicated with over 10 different student groups through extra-curricular meetings and email to gather the correct equipment for event setups.
- Operated lighting or sound equipment during rehearsals and shows to provide proper show atmosphere for audiences of more than 300 people.

Extracurricular Activity

Builder, Programmer, and Media
Oct. 2018 - Jun. 2019

"Lancebotics" Robotics Club - Leaside High School

- Worked with other students to build a robot using VEX components that had balanced weight, and useful sensors to navigate a course and complete tasks to get the most points in a game.
- Developed with two other students to program drive code and autonomous code using VEX C++ to compete in competitions around Ontario.
- Coordinated with other teams during competitions to get the best results out of games played.
- Helped create various images and logos to be used in advertising, merchandise, and stickers.