

Geoffrey Lao

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Education

Nova Scotia Community College
IT Programming

September 2017 - April 2020

Skills

Programming	JavaScript, HTML5, CSS, React JS, MongoDB, Python, SQL, C#, Android, C++, Java
Software	Visual Studio Code, Insomnia, MongoDB Compass, Git, Eclipse, Blender, Draw.io, Paint.NET
Operating Systems	Windows (Vista, XP, 8, 10) , Linux (Ubuntu)
Microsoft Office	Proficient in Word, PowerPoint
Other Development Skills	Agile Development, Object Oriented Programming, NoSQL and SQL Database design, Command Line usage

Project Experience

Personal Portfolio Site - https://geoffreylao.github.io/portfolio_website/

- Practice in Responsive Web Design with Animations and Transitions

Chart.slp | Slippi Charts - chartslp.com

- Fullstack MERN Application for data upload and visualization for Slippi Online games
- Over 345 000 games uploaded with over 38 000 unique players to date
- Deployed using Heroku and Netlify
- REST API used to find and filter results, count total results, accept new records to be created from the site or externally from the Chart.slp Uploader Companion App
- REST API interacts with MongoDB Database using Mongoose ODM (Object Data Modeling)
- React Client sends HTTP Requests and retrieves HTTP Responses using Axios

Chart.slp Uploader Companion App -

<https://github.com/geoffreylao/chart-slp-uploader-companion-app>

- Script to reduce overhead of uploading games to MongoDB by removing the need to upload games to the server
- Hits API endpoint with data verification to prevent bad data from being uploaded
- Node.js script packaged into an .exe using 'pkg' to ship to systems without Node or NPM

Work Experience

Barista at Starbucks, Chain Lake/Mic Mac, Nova Scotia, July 2018 - December 2020