

Henry Yip

www.henryyip.net

henryyip@gmail.com ✉

778-776-6178 ☎

henryyip98 

appleyapple 

Technical Skills

Languages: C, C++, Python, Javascript, HTML, CSS

Methodologies: Agile & waterfall development, pair programming

Technologies: Git, React JS, Node JS, PostgreSQL/MySQL, MongoDB, Chrome Dev Tools

Projects

Findine: Restaurant suggestion web application Nov 2020

- Developed with MERN stack and MVC architecture in a team project setting
- Implemented server-side technologies, database integration, and RESTful API to fetch, filter, and organize MongoDB documents
- Developed core client-side functionalities using React JS such as restaurant selection, filtering, and UI elements

Music Classifier: AI-powered musical genre categorizer Mar 2020

- Co-wrote a research paper on experimenting performance enhancements of hybrid convolutional neural network architectures with audio spectrograms
- Designed, optimized, and trained 4 distinct variants of convolutional neural network architectures using Keras API
- Evaluated how data augmentation affects error and training speeds, improving accuracy by >20% within the same number of epochs
- Resulted in a model with exceptional performance given the hardware and time limitations, detecting beat-heavy genres with >80% accuracy

Personal Website: Interactive portfolio Dec 2019

- A personal website demonstrating HTML, CSS, and Javascript

EasyGlucose: Diabetes management iOS app Jun 2018

- Implemented and debugged front-end elements such as the application buttons and meal diary features using Xcode
- Created and maintained design, requirements, and QA documents
- Co-led a team of 5 developers with no experience in iOS development with effective results and pitched application to local dietitians
- Iterated and refined application based on feedback with local dietitians

Education

Simon Fraser Univ: Bachelor of Applied Science in Computing Science Sept 2016 – present

- Expected graduation in 2022

Interests & Hobbies

- Watching sci-fi & animated films
- Casual video games (PC/mobile)
- Basketball, volleyball, tennis, pool
- Photography