EL

ETHAN LEE

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SKILLS

- Java, Flutter, Dart
- MongoDb, Express, React, NodeJs
- MySql, Firebase
- Python, Pandas, NumPy

- JavaScript, Html5, CSS3, Sass
- Eclipse IDE, Jupyter Notebook
- Git (GitFlow Work flow)
- Figma

- Excels in a collaborative environment
- Creative and innovative thinker

PROJECTS

Drone automation and delivery / Personal Project / Flutter, Python, Raspberry Pi, Ubuntu   *06/2021 – present*

- *Description*: A physical UAV capable of autonomous delivery paired with a mobile app where users can shop online and request for shipment via air.
- Designed and built a UI with Flutter and Dart where customers can browse products retrieved from Firebase API.
- Assembled drone hardware and configured firmware to be able to interact with Python scripts.
- Leveraged open-source technologies such as Linux and Secure Shell to run test flight simulations.

CodeHunter / Project Manager / JavaScript, MongoDb, ExpressJs, React, NodeJs, Firebase   *04/2021 – 05/2021*

- *Description:* A web app which digitizes Vancouver's tourism challenge to help bring foot traffic to local businesses.
- Leveraged the MERN stack technologies and Heroku while implementing an MVC design pattern.
- Experience with daily scrums, weekly client meetings, agile methodology, and the GitFlow workflow.
- Successfully distributed workload across a team of 4 to meet agreed upon timelines and milestones.

Peak Physique / Project Manager / JavaScript, Html, CSS, Firebase   *01/2021 – 04/2021*

- *Description:* A web app which connects fitness professionals and clients, allowing for 1-1 appointments or group classes.
- Integrated the Firebase API to customize the authentication process and the user profile personalization pages.
- Coordinated a team of 4 for independent development while promoting the sharing of ideas and pair programming.

Monte Carlo Simulation for Stock Portfolio / Personal Project / Python, Pandas, NumPy, Matplotlib   *01/2020 – 01/2020*

- *Description:* Calculates the optimal stock portfolio weights for risk-adjusted returns based on the Sharpe ratio.
- Utilized data manipulation and visualization libraries such as Pandas and Matplotlib to display a chart.
- Applied financial mathematical formulas to extrapolate insights from raw data.

EDUCATION

Computer Systems Technology Diploma (Co-op)   *01/2021 – Present*
British Columbia Institute of Technology, GPA 91%

Business and Commerce   *05/2019 – 12/2020*
Douglas College, CGPA 89%

Electrical Apprenticeship   *01/2016 – 02/2018*
British Columbia Institute of Technology, CGPA 89%

WORK EXPERIENCE

Insurance Salesperson   *08/2018 – 12/2020*
S.T Insurance Agency Ltd.

Apprentice Electrician   *06/2017 – 02/2018*
Houle Electric, enCompass Solutions Group