

Kaitlyn Lee

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📌 kaitlynvlee.com

🔗 github.com/K8Y

🔧 devpost.com/K8Y

Skills

Languages

Python, C++, Java, HTML5, CSS3, JavaScript, Elixir

Technologies

Docker, K8S, React, Pandas, Django, GraphQL, Git, Linux, CI/CD, Bootstrap4, JSON

CAD Software

SolidWorks, SolidWorks FEA, AutoCAD

Education

Mechatronics Engineering

University of Waterloo | 2018 - 2023

Français Langue Étrangère

Université Laval | Jul - Aug 2018

Coursework

- Algorithms and Data Structures
- Linear Algebra
- Circuits
- Engineering Design

Achievements

President's Scholarship

University of Waterloo - Sept 2018

Top 25% - Canadian Computing Competition Junior

University of Waterloo - Feb 2018

Hackathons

Hack the North (upcoming), QHacks, StarterHacks

Languages

French | working proficiency

Experience

Software Development Intern | Raven Telemetry

May 2019 - Aug 2019

- Collaborated with data science and operations teams to create and automate reports saving 3h/week using **Pandas, Docker, Kubernetes**
- Developed new web features allowing users to safely and indirectly modify data using **Python, GraphQL, React, Django**
- Worked in an agile environment to create new frameworks to accommodate frequent customer requests
- Wrote Python scripts and tests to decrease time spent performing daily tasks by up to 50%

Guidance Engineer | Waterloo

Sep 2018 - Present

- Collaborated with team to iterate on the guidance and suspension system design using **SolidWorks**
- Conducted Finite Element Analysis on wheel system using **SolidWorks FEA** to ensure adherence to safety requirements

Projects

eKnock | StarterHacks

Jan 2019

- Implemented the Spotify Recommendations **RESTful API** to search and filter for songs based on valence value (mood)
- Used **Android Studio** to read **JSON** file and returned the song to the app user

Solitaire Game | School Project

Jan 2018

- Utilized **Object-Oriented Programming** in **Java** to create a Solitaire game applet
- Generated graphics and developed the game logic

Additional Experience

Marketing Director | Toronto Youth Network

Apr 2017 - Jun 2018

- Managed a group of 12 youth to create marketing content for web and social media and analysed analytics to run more effective campaigns