Tyler Heise

https://github.com/tyheise

https://www.linkedin.com/in/tyler-heise-2356b315a/

Email : tyler.heise@gmail.com

Mobile : +1-780-937-4050

EDUCATION

- **University of Alberta** — Edmonton, Alberta
  Bachelor of Science with a Specialization in Computing Science — *September 2016 – April 2019*

EXPERIENCE

- **LoKnow** — Vancouver, British Columbia
  Software Developer — *October 2019 – November 2021*
  - Built web services using Django and Django REST framework
  - Used Vue JS to turn complex processes into dynamic and user friendly experiences
  - Lead the development of many high priority projects to completion
  - Engineered multiple data pipelines using Redis and REST APIs to communicate between services
  - Automated repetitive processes to improve efficiency across the company
  - Identified developer pain points and advocated for addressing them
  - Deployed rolling software releases and database migrations to a production AWS environment
  - Fostered a collaborative code review culture as both a reviewer and a reviewee

- **University of Alberta** — Edmonton, Alberta
  Research Programmer — *May 2018 – October 2019*
  - Built two Django prototypes: a literacy tutor, and a medical chatbot for families affected by neurodevelopmental disabilities
  - Implemented a scaling difficulty algorithm for the literacy tutor
  - Built a dynamic React interface for the user to interact with the chatbot
  - Created cross platform development environments using Docker
  - Made long-term design and architecture decisions
  - Worked with non-technical stakeholders to elicit requirements

PROJECTS

- **Online Interview System**
  - Used Django to build an online interview system for the Occupational Therapy department at the University of Alberta
  - Enabled the department to better assess an applicant's soft skills without costly in-person interviews
  - Used natural language processing to automatically select questions relevant to the applicant
  - Took leadership role on team of 6: lead scrums, and delivered results
  - Worked with stakeholders to scope and deliver a MVP within tight time constraints

- **Drawing Game**
  - Actively developing a Pictionary inspired drawing game with a Node JS backend and React frontend

PROGRAMMING SKILLS

- **Languages**: Python, Javascript, SQL

- **Tools**: Django, React, Vue JS, Git, Linux, Docker, AWS, Redis

- **Technical Interests**: Developer Tools, Web Development, Data Pipelines, Scalability, Automation