ADIL ASIM

Email: ma2asim@edu.uwaterloo.ca   **Site:** adilasim.com   **GitHub:** github.com/4d11   **Cell:** +1 (519) 504-7798

EDUCATION

Candidate for Bachelor of Computer Science   Graduating April 2020
University of Waterloo
Coursework: Operating Systems, User Interfaces, Computer Vision, Object Oriented Programming, Databases

EXPERIENCE

Hashtag Paid Inc.   Jan 2019 – Present
Software Engineer Intern
- Architected and implemented workspace feature to support teams with multiple users from the ground up using **Ruby on Rails, RSpec, React,** and **PostgreSQL**.
- Conducted extensive usability tests to validate workflows and interfaces.

Fast Access Blockchain
Blockchain Developer   May 2018 – Aug 2018
- Developed client-side web wallet with interface for decentralized app (**dApp**) creation, deployment and interaction from the ground-up using **Angular.**
- Wrote **Solidity** smart contracts to thoroughly test abstraction layer responsible for EVM integration.

Perkin Elmer Inc.
Full-Stack/ML Developer   Sept 2017 – Dec 2017
- Used **scikit-learn** and **Keras** to build machine learning models to classify trace metals present in water.
- Designed and developed models for spectral simulation using **SciPy** and **NumPy**. Used models to augment dataset, improving classification accuracy while minimizing time spent on gathering data from instruments.

Red Trait Ventures
Back-End Developer   Jan 2017 – Aug 2017
- Utilized **NLTK, scikit-learn** and **TensorFlow** to build classification models that automatically assigned categories to consumer complaints.
- Used **C#, Facebook Graph API** and **IBM Watson** to develop premium feature for **ASP.NET** web application that enabled customers to consolidate reviews from their Facebook page and filter them based on sentiment.
- Built backend for a security-as–a-service web app using **Flask**, **GraphQL, JWT and Nmap.**

Fidelity Investments
Information Security Student   May 2016 – Aug 2016
- Developed macros that consolidated and analyzed data on 855 employees to find business continuity points of failure using **VBA**, shortening a 2-week long process into a few seconds.

PROJECTS

csskrt-csskrt   (adilasim.com/csskrt)
Python library that minimizes development time for HTML projects by automatically adding classes for CSS frameworks such as Bootstrap and Bulma. Listed as a featured project on Bulma's GitHub.

Traffic Sign Classifier (adilasim.com/signs)
Worked with team of 2 to build CNN to classify traffic signs using **Keras** and **scikit-image.** Achieved 98.6% accuracy.

Swordless Knight   (adilasim.com/sk)
Used **Unity (C#)** to develop 2D turn-based game with procedurally generated levels for PC/Mac. Created and animated sprites for units using **Piskel.**

SKILLS

General: C • Bash • Python • C++ • Lisp • Python • JavaScript • Java • C# • Ruby
Web Development: Angular • React • Flask • ASP.NET• JWT • GraphQL • Rails
ML/Data Science: Keras • TensorFlow • scikit-learn • scikit-image • Pandas • NLTK