

JAZAB CHAUDHRY

SOFTWARE ENGINEER

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SKILLS

Languages: Python, Go, JavaScript/TypeScript,, C++, Swift, Java

Frameworks/Libraries: Django, Angular, React, Node, Keras, Ionic

Tools: GraphQL,, MySQL, PostgreSQL, Selenium, AWS, REST, Docker

EXPERIENCE

Software Engineer Intern, Full Stack | Unyte Health

Toronto, Jan 2020 - April 2020

- Built a Convolutional Neural Network using Keras (TensorFlow backend) to analyze user emotions
- Engineered user dashboard using React, Node.js and implemented PostgreSQL database with Sequelize ORM
- Developed GraphQL API with Apollo server, creating over 15 mutations and queries to service features for web and mobile applications
- Implemented CI/CD Pipeline with Jenkins/Docker to continuously integrate robust, scalable code

Software Engineer Intern, Backend | PheedLoop

Toronto, Apr 2019 - August 2019

- Implemented several REST endpoints, and event handlers across different backend microservices in Django, to service new features for the platform, reducing AWS costs by 45%
- Engineered matchmaking system using Angular, Ionic and Django, allowing event attendees to match with compatible people at in-person events
- Created wireless print server using Python, WebSockets and AWS, allowing thousands of event attendees to print their badges through the company Ionic mobile app

Path Planning Software Engineer | Watonomous

Waterloo, Sep 2019 - Dec 2019

- Developed multi-object tracking software with Kalman Filter based tracking using C++ and ROS

Software Engineer Intern | Love Closely

Toronto, May 2018 - Aug 2018

- Implemented new features for the Point of Sale app using React.js, AWS, JavaScript
- Built login system for product releases using PHP, MySQL and implemented spam filter

Data Analyst Intern | Humanity First

Vaughan, Nov 2017 - Feb 2018

- Utilized Python, BeautifulSoup to scrape 500+ websites and analyzed data using Pandas

PROJECTS

SymI iOS App | StarterHacks Winner

- Developed an iOS app using a Logical Regression Model that enables users to search for topics and outputs the outlook, achieving 74.9% prediction accuracy
- Used Twitter's API to scrape data, JSON parsed in Swift and used Apple CreateML to process data as Natural Language (NLP)

COVID Tracker | City Recognition Award

- Application which detects COVID-19 in X-ray images with Keras, TensorFlow and Deep Learning
- Utilized Python Matplotlib library to display COVID data and added application chat bot using AWS Lex

Open Source Contribution | Python Linter

- Opened several pull requests to implement new features for a popular Python Linter

EDUCATION

University of Waterloo

Bachelor of Applied Science in Mechanical Engineering (BASc),
Mechatronics Option with Focus in Software Development