Roshan Rishav

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EDUCATION

University of Waterloo — *B. Computer Science*

January 2016 - August 2020, Waterloo, Canada

Relevant Courses: Computer Networks, Databases, Security, Applied Cryptography, Operating Systems, Algorithms, Data Structures, Logic and Computation, Foundations of Sequential Programming, Introduction to Combinatorics, Probability, Linear Algebra.

EXPERIENCE

Coinbase, San Francisco, CA — *Software Engineering Intern*   January 2020 - Present
- Currently working on the complete **redesign** of the Coinbase Custody website.
- Setting up the infrastructure for a **react native** app for Coinbase Custody, and building the first version of the app.

Coinbase, San Francisco, CA — *Software Engineering Intern*   May 2019 - August 2019
- Designed and developed the portfolio history service, using **Ruby**, **PostgreSql** and **Nomics**, which allows users to get their consolidated historical balances for all of the cryptocurrency assets held by the user.
- Designed and implemented the UI components in **React.js** to visualize the historical portfolio data as an interactive chart.
- Implemented internal interactive notification service using Slack's public API's, used to process every transaction done on the website, using **Ruby on Rails**.

Data.World, Austin, TX — *Software Engineering Intern*   August 2018 - December 2018
- Designed and developed a Content Management System (CRM) in **React.js**, using the Data.World's internal APIs, that managed all of the static pages on the website, reducing the effort to update these pages manually exponentially.
- Implemented native integrations to cloud data storage services such as Box and 'Dropbox' and data visualization tools such as 'Plotly', using **Node.js** and **React.js**.

Data.World, Austin, TX — *Software Engineering Intern*   January 2018 - April 2018
- Implemented a file-type 'stream' using the jsonl file-type to allow users to upload data streams on the website.
- Redesigned and implemented the most used feature on the app, that enabled users to directly export or import their data to the website, using **React.js** and **Node.js**.

IBI Group, Toronto, ON — *Software Engineering Intern*   May 2017 - August 2017
- Implemented a real-time geolocation micro-service, currently being used by **Emergency Response Services**,that efficiently fetches live video feed from CCTV cameras for any provided set of coordinates, using **postgreSQL** and **C#**.
- Developed responsive and dynamic web-pages in **typescript** displaying real time highway data feeds.

TVO, Toronto, ON — *Software Engineering Intern*   September 2016 - December 2016
- Developed automated test-suites in **python** for mPower, an online learning web-game.
- Prepared game development documents for 'mPower', a web-based game, used by **20K+** users across Ontario.

SKILLS

Front End: HTML, CSS, Javascript, React, Redux, mobx,

Back End: Ruby, Python, C, C++, C#, node.js, SQL, AWS