Vikram Grover

SOFTWARE ENGINEER · COMPUTER SCIENCE MAJOR · UNIVERSITY OF WATERLOO

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Skills

Languages/Frameworks   Python · Java · C/C++ · Ruby on Rails · HTML/CSS/JavaScript
Data Infrastructure   MySQL · SQL Server · Oracle · AWS S3

Work Experience

Redfin   *Seattle, WA (Remote)*
SOFTWARE ENGINEER INTERN - HOME VALUATION TEAM   *Jun. 2020 - Sep. 2020*
- Incoming summer intern at Redfin's Home Valuation Team

Scribd   *San Francisco, CA*
SOFTWARE ENGINEER INTERN - PAYMENTS TEAM   *Jan. 2020 - Apr. 2020*
- Optimized Scribd's payment collector code to drastically reduce time taken to identify customers that need to be charged from 2.5 hours to 6 minutes using Ruby on Rails and MySQL
- Designed and developed a logging system using Ruby on Rails to track changes made to a user's account information (password, email etc.), allowing customer service representatives to conveniently identify compromised accounts
- Reworked Scribd's promo code processor to remove dependency on browser cookies, allowing for more reliable promo code processing using Ruby on Rails

Flipp   *Toronto, ON*
SOFTWARE ENGINEER INTERN - FLYER ADMINISTRATION TEAM   *May 2019 - Aug. 2019*
- Developed tools for reliably scraping product information from retailer websites for Flipp's product database using Ruby on Rails
- Developed features and squashed bugs in Flipp's monolith Flyer Administration web application that powers Flipp's mobile applications by processing 2M products and 10k flyers per month using Ruby on Rails, MySQL and Kafka

NuSoft Solutions   *Detroit, MI*
SOFTWARE ENGINEER INTERN   *Sep. 2018 - Dec. 2018*
- Developed an extension for a business card scanning mobile application to improve processing time on high-resolution images by 48% using Ionic Framework, AngularJS and TypeScript
- Implemented authentication token renewal for multiple mobile applications using Ionic Framework and Azure Active Directory

Dye & Durham Corporation   *Toronto, ON*
SOFTWARE ENGINEER INTERN   *Jan. 2018 - Apr. 2018*
- Added multiple REST API endpoints that validated business registration data for various Canadian provinces, and filled out federal PDF forms using ASP.NET Web API (C#) and SQL Server

BMO Financial Group   *Toronto, ON*
SOFTWARE ENGINEER INTERN   *May 2017 - Aug. 2017*
- Developed extensions for internal web applications to streamline trader operations using ASP.NET MVC (C#), Oracle and SQL Server

Projects

FlappyBird AI   *Link to Repo*
- A FlappyBird AI developed using Neat library in python, which uses an evolutionary algorithm to create artificial neural networks that play the game

AutoPipe
- Designed and developed a smart web scraper that used Google's Tesseract OCR engine, IBM Watson Natural Language Understanding and Django (Python) to reliably scrape product information from retailer websites based on webpage content rather than UI

Education

University of Waterloo   *Waterloo, ON*
HONOURS BACHELOR OF COMPUTER SCIENCE, GPA: 3.5   *Sep. 2016 - Apr. 2021*