

Adam Satok

adamsatok.com | adamsatok@gmail.com | www.linkedin.com/in/adam-satok

SKILLS

LANGUAGES: Ruby • C# • SQL • Python • C++ • C • JavaScript • Swift • Java • HTML • CSS

TECHNOLOGIES: Rails • Linux • Git • Unity • .NET • AWS • Docker • Jenkins

EXPERIENCE

ZAZZLE

Jan - April 2019

Server Software Engineer - Redwood City, CA

- Developed internal tools, increasing the ability to modify Zazzle's marketplace and product manufacturing data
- Engineered a caching system to pre-render large images, eliminating live render delays of up to 5 minutes long
- Created a portal to edit product previews with a custom deployment and rollback mechanism, allowing non-technical employees to work with previews and reducing the risk of errors

INFLUITIVE

May - Aug 2018

Software Engineer Co-op - Toronto, ON

- Developed the Ruby on Rails backend for Influitive's new multi-tenanted discussions platform, increasing user engagement and inspiring a communal experience
- Migrated millions of accounts and objects to the new platform with parallel data migration, in-memory databases, and idempotent operations
- Overhauled the analytics tool, reducing query time from six hours to one minute, allowing for real-time reporting

MITRE MEDIA

Sept - Dec 2017

Ruby on Rails Developer Intern - Toronto, ON

- Added over 20 new filters to the dividend.com screener, tripling its page views from 10,000 per day and allowing users to easily find stocks that match their needs
- Restructured the dividend.com database by introducing caching, improving SQL queries, and removing inefficient joins, saving hundreds of thousands of requests per day and decreasing latency by up to 50% on many pages

METROLAND MEDIA

Jan - April 2017

Software Engineer in Test Intern - Toronto, ON

- Built a dynamic suite of Selenium Python scripts to perform an automatic regression test on save.ca covering 130 test cases and saving 20+ hours a week of manual testing

PROJECTS

GAME THEORY MACHINE LEARNING MODEL

March 2019

- Developed a model that generates a winning strategy for the repeated prisoner's dilemma given a pool of strategies
- Produced a winning strategy against a pool of over 200 strategies from the Axelrod-Python library

EDUCATION

UNIVERSITY OF WATERLOO (COMPUTER SCIENCE, BUSINESS OPTION - 4A)

Sept 2015 - Aug 2020

- Relevant Courses: Operating Systems, AI, Networks, Security, Algorithms, Data Structures, Combinatorics
- Maintaining a 3.57/4.0 GPA

Leadership: Co-Organizer of the 2018 AEPi Charity Mile event which raised over \$20,000 for B'nai Brith Canada

Extra-Curricular: Varsity ball hockey, Intramural ice hockey and soccer, filmmaking, indie game development