

Sadrudin Hashmani

3A Systems Design Engineering

Web | hashmani.com

Email | shashman@uwaterloo.ca

Github | sadu99

Phone | 647-871-7540

Profile

An emotive aspiring engineer with a passion to work with people and tools and a determination to lead using a multidisciplinary approach with proven technical and management abilities

Skills

Languages: Python, Java, C++, SQL, MATLAB, Bash, JavaScript, HTML, CSS

Technologies: Flask, MySQL, Pandas, Numpy, Swagger, Tkinter, Swing, Azure, AWS, REST, NSIS, Charles

Methodologies: Agile, Lean Startup, Iterative Design, SDLC/PDLC

Professional Experience

Software Developer, Gluskin Sheff + Associates, Toronto, ON

Dec 2015 – Apr 2016

- Designed and developed a **Python** desktop application to track periodic portfolio performance using **Tkinter** (GUI library), **Pandas**, **SQL** and the Bloomberg **API**
- Created in-depth portfolio analysis tools using **Pandas** and **matplotlib** to make **data driven decisions**

Software Developer, Seeq, Seattle, WA

May 2015 – Aug 2015

- Expanded Seeq's existing **APIs** by building **CRUD** operations using **RESTful** annotations in **Java**
- Developed Python scripts to generate client **SDKs** in **Java**, **Python** and **C#** using **Swagger**
- Enhanced security by creating an interface using **Swing** in **Java** to enable users to set system passwords

Software Engineer in Test, Zynga, Toronto, ON

Aug 2014 – Dec 2014

- Developed automated test plans for Android devices using a photo recognition framework in **Bash**
- Tested all games part of Zynga's "With Friends" games division on Android and iOS devices

IT Analyst, CGI, Markham, ON

Dec 2013 – May 2014

- Processed online order requests to image and encrypt laptops for CGI employees and replenish inventory
- Used MS SharePoint tools to run search queries to mine data instrumental for forecasting future needs

Relevant Projects

Instabuy, Winner of Best VISA Hack, MHacks: Refractor

Feb 2016

Developed an eCommerce web application to alert consumers when product prices drop below preset margins using the **Flask** framework and the Twilio, VISA, Capital One and Target **APIs**

KnowTheGame, Winner of Best Microsoft Azure Hack, Delta Hacks II

Jan 2016

Built the backend infrastructure of a web application that predicts game outcomes using **SQL** and the **Flask** framework by leveraging NBA statistics and Microsoft Azure's **machine learning** platform

PriceAlert, Winner of Best Bloomberg Hack, Hack the North II

Sept 2015

Created a financial web application that alerts investors when index prices meet input criteria using the **Flask** framework and the Bloomberg, Highcharts and Twilio **APIs**

Education

Candidate for **BASc Systems Design Engineering** (2018), University of **Waterloo**, President's Scholarship

Interests

Startups, Tesla, Stocks, Mystery Novels, Travel, Soccer, House Music