Krish Chowdhary

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EDUCATION

HBSc, University of Toronto - Expected Graduation: April 2021
Specializing in Computer Science with a Minor in Mathematics
CGPA: 3.50

WORK EXPERIENCE

Architect and Full-Stack SWE - Stealth Startup (July 2019 - Present)

- Developing iOS application along with Express and Node.js backend

Teaching Assistant - University of Toronto (December 2018 - Present)

- Led tutorials for CS 1 and CS 2 students to ensure they applied key object-oriented programming principles through projects written in Python and Java

Research Assistant - University of Toronto (May 2018 - Present)

- Developed the course outline and syllabus for a fourth year accounting course in data analytics (i.e. accounting analytics) at the University of Toronto
- Migrated the discussion board and research resources from Google suite to an Office 365 platform; this site is used by 300 students each semester
- Led a team of fellow researchers in developing software applications for use in the History and Religion faculties at the University of Toronto

Cyber Security Consultant Intern - Ernst & Young (May 2019 - August 2019)

- Onboarded over 2000 technology infrastructure servers and applications onto a Privileged Access Management solution at a global insurance provider
- Mitigated cyber security breach risk in an oil and gas company by designing and implementing and Vulnerability Management system integrations
- Generated in excess of $2MM through Identity and Access Management workshop sessions with several financial services organizations

Technology Solutions Intern - Ford Motor Company (May 2018 - April 2019)

- Led the technology stream for the revamp of a dealer-facing program with a $20MM budget. Designed and developed the website using Chart.js, Bootstrap and Foundation.js in order to provide sales analytics to dealerships across Canada; this resulted in an increase of 44% in dealership enrollment
- Automated several key internal processes by utilizing RPA techniques with Selenium and Python; this increased the throughput by 81 seconds, an improvement of 1820% over the manual process
- Proposed and led the development of a new supplier-facing access form, this desktop application was created using Python and OpenPyxl

EXTRA-CURRICULAR ACTIVITIES

Technical Lead – Google Developer Student Club (September 2019 - Present)

Associate – Math and Computer Science Society (August 2018 – Present)

- Raised capital to fund society events through external and internal sponsors

Workshop Project Lead – Hacklab (September 2018 - Present)

- Developed and led workshops for groups of sixty fellow computer science students on non-curricular topics such as Blockchain and RESTful APIs

Campus Ambassador - Communitech (January 2019 – Present)

- Advertised on campus through workshops and information sessions to raise awareness of the growing technology industry in the Waterloo region

Student Ambassador - Start Proud (May 2018 – September 2019)

- Promoted the Out on Bay Street and Venture Out conferences on campus; these events facilitated the professional development of LBGT students

TECHNICAL SKILLS

Python 3, Java, JavaScript, SQL, HTML, CSS, jQuery, Flask, Node.js, Linux, Bash, C, Azure, Git, REST, API Development, Microservices, Data Science, Data Engineering, CyberArk, Tenable, Qualys, ServiceNow, Selenium, Assembly, Salesforce, Autotask, SharePoint

ADDITIONAL SKILLS

Agile, Scrum, JIRA, RPA, Web Scraping, Unit Testing, System Integration, A.I., Workshop Facilitation, Blockchain, Debugging, Process Improvement, PAM, IAM, TPRM, Change Management, Vulnerability Management

PROJECTS & HACKATHONS

Lyft Data Challenge

- Performed data analysis of driver information dataset using Python, Pandas and NumPy. Provided next steps based on analysis to Lyft through a detailed writeup

Elevate Hackathon

- Gathered requirements from the City of Toronto to develop a cross platform application for use in public libraries
- The application securely (SHA256 & AES) stored user credentials on a cloud server, increasing both security and convenience

Tech and the City Hackathon

- Created an interactive map visualization which enabled local B2B communication using Python and Processing 3

Gift the Code Hackathon

- Developed a secure survey platform using React and Google Firebase to fulfil our client's needs for a secure method to store personal youth information data
- Worked closely with the client to gather requirements for the platform

CLN Helper

- Deployed a web application to remove the tedious aspects of applying to any job
- Utilized data mining with Python 3 and Selenium and NLP techniques for analysis

Aspire Challenge

- Utilized design thinking to propose a solution for student unemployment to judges from financial institutions