

Krish Chowdhary

EDUCATION

Bachelors of Science, University of Toronto - Expected Graduation: April 2021

Specializing in Computer Science with a Minor in Mathematics

CGPA: 3.50

WORK EXPERIENCE

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

- Onboarded over 2000 technology infrastructure servers and applications onto a Privileged Access Management solution at a Fortune 150 insurance provider
- Mitigated the risk of an cyber security breach in an oil and gas company by designing and implementing and technical Vulnerability Management processes
- Generated in excess of \$5MM through Identity and Access Management workshop sessions with both a property management firm and a financial services organization

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; the new site 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, utilizing Python and OpenPyl in order to streamline the approval process for stakeholders

Rotman Research Assistant - University of Toronto (December 2018 - April 2019)

- Provided data-driven insights for global trade and business under the supervision of Professor Feng Chen from the Rotman School of Management
- Developed the course outline and syllabus for a fourth year accounting course in data analytics (i.e. accounting analytics) at the University of Toronto

Teaching Assistant - University of Toronto (December 2018 - April 2019)

- Led tutorials for 25 students to ensure they master and apply key object-oriented programming principles through various projects written in Python

Workshop Project Lead - Hacklab (September 2018 - Present)

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

Software Research Assistant - University of Toronto (May 2018 - September 2018)

- Migrated the discussion board and research resources from the Google suite to a Office 365/SharePoint 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

EXTRA-CURRICULAR ACTIVITIES

Director - Mathematics and Computer Science Society (August 2018 - April 2019)

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

VOLUNTEER EXPERIENCE

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 - Present)

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



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TECHNICAL SKILLS

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

ADDITIONAL SKILLS

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

PROJECTS & HACKATHONS

Elevate Hackathon

- Gathered requirements from the City of Toronto in order 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

- Preprocessed and analyzed a B2B database from the City of Mississauga using Python and Processing 3
- Created an interactive map visualization which simplified the process for local B2B communication

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 representatives from the client to gather requirements for the platform

CLN Helper

- Developed a web application in order to remove the tedious aspects of applying to any job through utilizing RPA, modular components and a web interface.
- Developed the architecture using data mining with Python 3, Selenium MySQL

Aspire Challenge

- Demonstrated Design Thinking in order to develop a proposal for an innovation solution for student employment to judges from financial institutions in Toronto