# Zoya Chishtie

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[Linkedin](#) | [GItHub](#)

Computer engineering student at the University of Toronto with 16 months of full stack web development experience. Passionate about software development and a quick learner.

## EDUCATION

**University of Toronto** — *Bachelor of Applied Science in Computer Engineering + PEY CO-OP*

SEPTEMBER 2020 – JUNE 2025 (EXPECTED)

- Enrolled in an Artificial Intelligence (AI) Engineering Minor

## SKILLS

- **Front-end:** React, StencilJS/Stencil, AngularJS/Angular, JavaScript/HTML/CSS
- **Back-end:** Spring, Spring boot, Java, Node.js
- **Programming languages**: Python, C/C++
- **Atlassian**: Jira, Bamboo, Confluence
- **Virtualisation**: VM, Docker
- **Automation**: Ansible
- **IDEs**: Eclipse, NetBeans, VS Code, IntelliJ
- **Linux**: Command line, networking
- **Version Control Systems**: Git, GitHub

## TECHNICAL EXPERIENCE

**Capstone Design Project** — *University of Toronto*

AUGUST 2024 – PRESENT

- **Objective**: Working at the Princess Margaret Cancer Research Tower to design a software for a device used to treat infected skin wounds
- **Team responsibilities**:
  - Design a UI that allows physicians and patients to see relevant information and activate device
  - Use Spring boot to create endpoints that handle data retrieval and storage in a SQL database
  - Collaborate with the team responsible for the device's hardware to create appropriate APIs

**Software Developer Intern** — *Ontario Teachers' Pension Plan*                    *Toronto, Ontatrio*

MAY 2023 – AUGUST 2024

- Worked on two teams in Member Services IT, Employer Experience and Member Web, that handled the websites for school boards and members (teachers and ex-teachers) in Ontario respectively
- Did full stack web development:
  - Added features to the UI, such as creating Stencil components and making fetch calls to retrieve data
  - Created APIs using Java and Spring Boot that interact with backend services
  - Conducted deployments using Bamboo, wrote documentation on Confluence, and performed code reviews
  - Wrote test cases, including unit tests, integration tests, and end-to-end tests
- During Self-Driven Cadence and using R&I days, created a service in Python with another intern using GitHub REST API, Jira REST API, and Microsoft Workflows that could automatically send messages in Microsoft Teams and add Jira comments with associated PRs and modified test files when a ticket is marked as ready for review

**Tech Stack**: Stencil, Angular, Atlassian Bamboo, Jira, GitHub, Java, Spring, Spring Boot, Python

**Reference**: [john_vieira@otpp.com](mailto:john_vieira@otpp.com) (John Vieira, manager in Member Web)

### Network Administrator Intern — *Questrade*                                      *Toronto, Ontario*

MAY 2022 – AUGUST 2022

- Automated various procedures on networking devices using Python with Ansible, such as:
  - Determine how many power supplies were active on a device
  - Generate and save a random password to be set periodically on network devices
- Used Cisco CLI to troubleshoot and configure devices
- Used Terraform to manage Google Cloud Platform (GCP)

**Tech Stack**: Ansible, Python, Cisco CLI

## Personal Projects

JULY 2016 – PRESENT

- Sudoku solver in C using two methods, recursion and simple logic
- Tic-Tac-Toe in JavaScript with CSS and HTML, multiplayer and singleplayer options, and has two different AIs
- Memory tiles game in JavaScript with CSS and HTML
- Math equation solver and simplifier in C
- Coding exercises on LeetCode in C/C++ that involved pointers, arrays, linked lists, and classes
- Multiplayer checkers in JavaScript with CSS and HTML, working with a classmate

## Applied Fundamentals of Deep Learning Project — *University of Toronto*

SEPTEMBER 2022 – DECEMBER 2022

- **Objective**: Design a deep learning model that recognizes the severity of diabetic retinopathy in a fundus image
- **Team responsibilities**:
  - Design a convolutional neural network (CNN) with the appropriate hyperparameters to achieve this objective with an acceptable level of accuracy
  - Incorporate convolution, pooling, and fully-connected layers as needed
  - Introduce data augmentation techniques to create a generalized model

## EXTRACURRICULAR ACTIVITIES

### Web Developer — *Google Developer Student Club (GDSC)*                    *University of Toronto*

2022 – 2023

- Created a website at GDSC at the University of Toronto, St. George Campus; this club is backed by Google developers
- The website has been created using React and deployed using Netlify

### Programming Competition Director — *University of Toronto Engineering Kompetitions*          *University of Toronto*

2022 – 2023

- Designed the problem statement for their programming competition

### Webmaster — *Commuter Student Project Directorship*                    *University of Toronto*

2021 – 2022

- Designed a website using WordPress ([https://commuter.skule.ca/](https://commuter.skule.ca/))

## ACCOMPLISHMENTS & AWARDS

- **Edward S Rogers Sr. Admission Scholarship** (October 2020)
- **Faculty of Applied Science and Engineering Admission Scholarship** (October 2020)