# Han Le

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## Education

**York University** — May 2023
Bachelor of Science in Computer Science

## Experience

**Software Developer,** York University SCS — Toronto, ON — July 2023 − Present

- Designed and developed a self-contained automated application to deploy Virtual Machines from Google Cloud Platform, utilizing Python and the Google Cloud SDK
- Created an Azure PowerShell runbook under Automation Accounts to start/stop VM machines within a resource group on a schedule, resulting in an anticipated monthly cost reduction of over $1200
- Built and maintained over 3 ETL (Extract, Transform, Load) microservices to facilitate data extraction into SQL Server, with automated scheduling using Windows Task Scheduler and Python
- Managed a portfolio of 5+ reports and promptly responded to on-demand Ad Hoc report requests using SQL Server, consistently meeting specified time frames

**Full Stack Engineer,** Tesoract Inc — Toronto, ON — Apr 2023 − Present

- Facilitated the design and development of over 25 REST API endpoint handlers and components for a SaaS product, primarily using Next.js, TypeScript, JavaScript, and MongoDB
- Designed and implemented a user authentication and authorization solution following the Authorization Code Flow, leveraging NextAuth.js and MongoDB
- Formulated testing strategies, conducted functional testing on components, and introduced a new E2E testing libraries using Cypress
- Enhanced performance through the implementation of async functions, reduction of HTTP requests, and maintaining 100% uptime

**Software Developer Intern,** York University SCS — Toronto, ON — May 2021 − Apr 2023

- Developed and managed a Python script for automating data monitoring and loading into SQL Server from QLess, ensuring high system uptime and data integrity
- Created a custom web scraping script for content verification by comparing outsourced product data with proprietary in-house data, streamlining the verification process using Selenium and Python
- Enhanced and managed Bash shell scripts to automate cron jobs, system maintenance, and handle version conflicts for databases in the Big Data course, achieving 100% uptime

## Projects

**Personal Website** — Jan 2023 − Present

- Developed a responsive portfolio website using Next.js and TypeScript for an efficient web experience
- Integrated continuous integration and deployment (CI/CD) pipelines using GitHub Actions to automate the build and deployment processes, enabling seamless updates to the live website

**User Management Browser Extension** — Oct 2022 − Nov 2022

- Designed and implemented new system functionalities using JavaScript, JQuery, resulting in improved efficiency and user satisfaction from 25 concurrent users
- Conducted comprehensive user research, gathered requirements, devised project plans, and oversaw project execution, ensuring alignment with user needs and expectations

## Skills

**Languages:** JavaScript, TypeScript, HTML, CSS, Bash, PowerShell, Java, Python, SQL, PHP, C

**Frameworks:** React.js, Next.js, Cypress, jQuery, Selenium, Tailwind CSS

**Other:** Node.js, PostgreSQL, MongoDB, MySQL, SQL Server, Azure, GCP, Amazon S3, Kubernetes, Docker, JUnit, Git