Colin **Lin**

📱 (+1) 647-470-9183 | ✉ colin.lin@mail.utoronto.ca | 🏠 colinlin.vercel.app | 🐙 l3n0ire | 💼 colin-lin-2001

Experience

Konrad Group
Toronto, ON
Software Developer
September 2023 - Present
- Built new frontend interfaces using **Next.js** and **Vue.js** for major real estate and airline clients, with impact on 1 million + users
- Accelerated internal IT processes by 300% by automating manual tasks using **Python** and **Selenium**

University of Toronto Scarborough
Toronto, ON
Teaching Assistant
January 2023 - April 2023
- Developed highly effective **Angular** and **nginx** tutorials for CSCC09 Programming on the Web
- Reinforced students' understanding of web technologies, **RESTful** APIs, cloud deployment, and containerization with **Docker**
- Honed communication, mentorship, and leadership skills to foster an engaging learning environment

HSBC
Vancouver, BC
Cloud Full Stack Engineer
December 2021 - December 2022
- Developed cloud-based web apps for HSBC Wealth Compass and US Product Onboarding using **React** and **Redux**
- Engineered RESTful APIs and API Orchestration layer using **Java Spring Boot** and **Express.js** microservices deployed on **AWS**
- Reduced maintenance cost by 40% by migrating legacy JavaScript codebase to **TypeScript**
- Worked closely with a cross time-zone **Agile Scrum** team to support systems critical to Retail Banking across North America
- Mentored 3 new employees and interns on frontend development, API design, and advanced product knowledge

Ontario Institute for Studies in Education
Toronto, ON
Software Developer
October 2021 - June 2022
- Implemented new tools for collaborative learning software using **Angular**, **Fabric.js** and **Firebase**
- Established real-time data updates on virtual classroom whiteboards with over 30 concurrent users using **socket.io**
- Built a data collection framework for researchers to analyze classroom activity and generate reports

University of Toronto Scarborough
Toronto, ON
Software Developer
September 2021 - February 2022
- Analysed trends across global news sites by constructing data visualizations using **Python, pandas,** and **Matplotlib**
- Improved the efficiency of the Python website crawler by 50% by applying filters and caching data
- Served browser-accessible **Jupyter Notebooks** for researchers using Jupyterhub deployed on the cloud

UofT Hatchery
Toronto, ON
Software Engineer
May 2021 - October 2021
- Built time-saving dashboard features for a startup incubator program using **Vue.js, PHP,** and **WordPress**
- Designed **MySQL** database schemas to store user data and survey responses

Cineplex Digital Media
Toronto, ON
Software Developer
September 2020 - April 2021
- Led the development of **web applications** and digital signage for clients such as RBC and Scotiabank
- Adapted **HTML, CSS,** and **JavaScript** projects to serve over 30 different countries, currencies, and languages
- Automated manual waiver signing process by building a customer-facing portal using **React**

Education

University of Toronto
Toronto, ON
Honours Bachelor of Science in Computer Science
September 2019 - August 2023
- **GPA:** 3.88/4.0
- **Relevant Courses:** Software Engineering, Data Structures and Algorithms, Databases, Computer and Network Security

Skills

Programming	Java, Python, C, HTML, CSS, JavaScript, TypeScript, PHP
Frameworks and Libraries	Spring Boot, Node.js, Express.js, Next.js, React, Angular, Vue.js, Redux, NumPy, pandas, Selenium
Databases	MongoDB, MySQL, PostgreSQL, Firebase, Neo4j
Tools	Git, Jira, Docker, AWS, WordPress, Heroku, Postman, nginx, Linux, Adobe Experience Manager