

Joshua Komonen

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EDUCATION

University of Guelph

Bachelor of Computing, Software Engineering (Co-op)

Guelph, ON, Canada

September 2020 - April 2025

- Maintaining a cumulative 3.7/4.0 GPA (86%)
- Awarded \$3,000 scholarship from the University of Guelph

TECHNICAL SKILLS

Languages: Python, Javascript, TypeScript, SQL, Java, C, C++, C#, Objective C, Perl, Ruby, Swift, R, HTML, CSS

Libraries/Frameworks: React, Angular, Vue, Express, .NET, Jenkins, Jest, Spring, Hibernate, jQuery, Cypress, Mocha, Bootstrap, Node, TensorFlow, Selenium, MUI, Ajax, jQuery, NumPy, Pandas, Pyramid, Django, Flask

Development Tools: Git, GitHub, Jira, Confluence, AWS, Docker, Kubernetes, CI/CD, GCP, Terraform, Postman

Databases: Oracle, MySQL, Elasticsearch, Redis, PostgreSQL, MongoDB, MariaDB, Cassandra, SQL, noSQL

Operating Systems: Linux, Windows, MacOS

TECHNICAL WORK EXPERIENCE

Teaching Assistant (Object Oriented Programming)

September 2023 - Present

University of Guelph

Guelph, ON

- Instructing students in fundamental programming principles, including topics such as design patterns, inheritance, encapsulation, polymorphism, and object-oriented analysis and design
- Facilitating labs, marking assignments, and answering student questions in a class of 300+ students

Software Engineer Co-op

May 2023 - August 2023

NCR Corporation

Waterloo, ON

- Enhanced client account processing for faster and more efficient money transfers, requests, and related transactions
- Actively participated in the recruitment process by assisting in the evaluation of potential co-op candidates through interviews and resume reviews

Software Developer Co-op

September 2022 - December 2022

ProNavigator

Kitchener, ON

- Improved the Sage app by ProNavigator to streamline file navigation for insurance companies dealing with extensive document repositories
- Boosted operational efficiency for clients by accelerating document retrieval, enhancing productivity

Full Stack Developer Co-op

May 2022 - August 2022

TAMVOES Health Inc.

Waterloo, ON

- Developed RESTful APIs using Python, facilitating real-time access and modification of clients' healthcare data
- Designed and implemented SQL database schemas, optimizing query performance and data storage efficiency
- Used React and JavaScript to craft sleek, intuitive UI designs, elevating user engagement and aesthetic experience

Programming Tutor

Jan 2020 - Present

University of Guelph Unofficial

Guelph, ON

- Designed structured lesson plans to ensure organization and workflow efficiency, while also monitoring students' academic performance to identify and address areas needing improvement

PERSONAL PROJECTS (VIEWABLE AT [HTTPS://JOSHKOMONEN.COM](https://joshkomonen.com))

Cryptocurrency Portfolio Tracker

<https://cryptocurrency-portfolio-tracker.onrender.com>

- MERN stack web app to track user's cryptocurrencies, prices, and quantities, featuring CRUD functionality, and demonstrated proficiency in manipulating databases and creating REST APIs for cluster data operations

Social Strangers

<https://social-strangers.web.app>

- Real-time web app for text-based communication with strangers using Javascript, React, and Firebase. Implemented a profanity API and Google Authentication to enforce user bans for inappropriate language