

SIMON ZENG

Software Developer

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EXPERIENCE

Performance Engineering/Test Automation Co-op

CENX

📅 July 2017 – September 2017 📍 Ottawa, Ontario

- Automated stress testing on company products and networks using Python
- Developed custom TCP-interfacing implementations of IETF RFCs to properly debug non standards-compliant network stacks
- Caught and reported multiple bugs and issues in Clojure code bases, leading to large performance increases and major security fixes

Full Stack Web Development Intern

inBay Technologies

📅 July 2016 – August 2016 📍 Kanata, Ontario

- Scraped statistics and metrics from across the web using Ruby to interface with REST APIs
- Delivered data to clients through web interfaces constructed with Ruby on Rails, HTML/CSS, and Javascript derivatives

PROJECTS

Neural Network Based Automatic Midi Music Generator

github.com/s-zeng/rag-shenanigann

A combination of curated tools and original scripts that collectively automate the process of generating original music tracks, based on the style of music files provided as training data.

Discord API Music Player Bot

github.com/s-zeng/Zengyatta

A bot written for the Discord voice and messaging client that can play audio in voice channels from sources like YouTube, Soundcloud, Bandcamp, etc.

EDUCATION

Honour's Computer Science, Co-op

University of Waterloo

📅 September 2018 – May 2023 (expected)

GPA: 3.8/4

SKILLS

Languages

Python Java Clojure Scheme
Haskell C Ruby Javascript
Coffeescript HTML/CSS

Tools and Technologies

Linux Vim Latex Git TCP
Ruby on Rails Sinatra Docker
Kubernetes

AWARDS & CERTIFICATIONS



Contest Finishes

Top 1% in Waterloo's Euclid math contest, group 2 honour roll in Canadian Computing Competition, provincial finalist in ECOO programming contest



Qualified Life Saving Instructor and Water Safety Instructor

Certified by the Red Cross and the Lifesaving Society. Includes CPR-C and Standard First Aid