Michael Eden
Systems Design Engineering

✉ maeden@uwaterloo.ca
⬡ github.com/MichaelAEden
⌂ michaeleden.ca

Work Experience

Software Developer, Hootsuite
May '18 - May '19

Maintained two first tier Scala services with 99.95% uptime.

Reduced time to add new features for any given paid package from 2 hours to 5 minutes (95% reduction).

Persisted 140 000 custom features for customers during architectural overhaul of Scala services.

Developed an interface to a data lake containing 17 million documents using Elasticsearch, Golang, and React.

Python Developer, SideFX
Sept '17 - Dec '17

Added 8 complete features to the Python character pose library such as directory structuring and new export formats.

Improved accuracy of pose capturing on 3D models.

Software Developer, Iotum Inc
Jan '17 - Apr '17

Automated 73 unique test cases across multiple browsers and operating systems using Python and Selenium.

Implemented logging of results of automated tests.

Projects

inquests.ca
2019
Scala, React, MySQL, AWS

Designed and deployed a repository for documents related to Canadian death investigations.

Interviewed 10 professionals involved in death investigations to perform a needs analysis.

PyFractals
2018
Python, NumPy, Qt

Applied the Qt framework and NumPy to develop an interactive fractal generator.

Languages

- Golang
- Python
- Java
- HTML
- Scala
- JavaScript
- SQL
- CSS

Tools and Frameworks

- React
- Docker
- MySQL
- Elasticsearch
- AWS
- Kubernetes
- Git
- Protobuf

Methodologies

- Object-oriented programming
- Functional programming
- Microservice architecture
- RESTful programming
- Agile and Scrum

Education

Systems Design Engineering
University of Waterloo

Ranked 14 out of 90.

Volunteer Experience

Education Director
Coffee N' Code

Developed projects and lessons to lead programming workshops and provided mentorship to individuals of all skill levels.

Executive Member
Not Just Tourists

Guided volunteers in organizing and packing medical supplies for humanitarian aid.