



Oliver Benning

Email:	me@oliverbenning.com
Website:	oliverbenning.com
Phone number:	(613) 986-0919
GitHub:	github.com/obenn
LinkedIn:	linkedin.com/in/oliverbenning/

About me

I am a full-stack software engineer especially interested in building excellent user experiences, scaling systems up, and shipping reliable applications. I thrive when a problem is challenging and requires novel thinking.

Experience

Strikethrough Consulting and Development

Owner

04/2018 – Present

- Provide IT development and consulting services to clients, ranging from small business to enterprise.

Field Effect

Software Engineer and Security Analyst

04/2018 – Present

- Developed a large scale security and testing simulation framework.
- Created and designed one-off client projects directly related to security and forensics.
- Work on core business products in Python, Java, C/C++, Node.js, React and Vue in deployments ranging from air-gapped VSphere to AWS and Google Cloud.

University of Ottawa

Teaching Assistant

01/2019 – 04/2021

- TA for 7 courses in computer science topics.
- Wrote automatic grader for Java assignments using Python.
- Grade work, teach tutorials and substitute lectures, and help students.

IT Analyst

01/2017 – 01/2019

- Performed security analysis and remediation of external facing infrastructure.
- Managed a vSphere deployment and Windows domain containing DC servers, cloud workspaces, databases and production web hosts.
- Set up Ubiquiti infrastructure including a flurry of Nano stations and fiber lines to beam our network to the football stadium.

Sportstats.ca

Race Timer

03/2016 – 03/2020

- Time endurance races all across Canada

Web Developer

04/2017 – 09/2017

- Backend business logic of sportstats.ca

Skills

<i>Spoken Languages</i>	English, French, German
<i>Programming Languages</i>	Python, C, Java, JavaScript, SAS, Visual Basic, R
<i>Environments</i>	AWS, Azure, GCP, VMWare VSphere, Windows Active Directory

Education

University of Ottawa

Honours BSc in Computer Science and Mathematics 2016 – 2021

- GPA 9.5/10
- CO-OP
- French Immersion

Projects/Publications

COVID-19 Infection model using Public Transit Simulation Fall 2020

- Computer Science Honours Project, nominated for Cognos research prize

Solving JumpIN' using reinforcement learning Summer 2020

- Accepted to AAAI-21 proceedings

Symptom Check — symptomcheck.ca 2019

- Full-stack online medical questionnaire for a medical client.
- Vue frontend + Node.js lambda API gateway backend using DynamoDB deployed on AWS.

Braid groups in public key cryptography 2017 – 2018

- Supervised by Dr. Hadi Salmasian in the Undergraduate Research Opportunity Program

Awards

Become a Changemaker Entrepreneurial Grant – \$1000 Winter 2021

Mitacs Research Training Award – \$6000 Fall 2020

Merit Scholarship – \$1000 per term 2016 – 2020

Undergraduate Research Opportunity Program – \$1000 2017 – 2018

Volunteer Work

Computer Science Student Association

VP Information Technology 2018 – 2019

University of Ottawa

Member of Senate 2019 – 2020

Canadian Association of IT Professionals

Board Member 2019 – 2020

National Capital Freenet

Board Member

2019 – 2020