



Oliver Benning

Email: me@oliverbenning.com
Website: https://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, sales engineer and AI researcher especially interested in building excellent user experiences, scaling systems up, and shipping reliable applications with a robust market fit. I thrive when a problem is challenging and requires novel thinking.

Experience

Snyk

Solutions Engineer

04/2021 – Present

- Support pre-sales to ensure technical fit of our products prior to sale with customers.
- Recognised as top SE in the company Q3 2021 having supported over 1MM\$ in ARR additions

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 – 04/2021

- 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 – 12/2021

- TA for 9 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

Spoken

Languages

English, French, German

Programming

Languages

Python, C, Java, JavaScript, SAS, Visual Basic, R

Environments

AWS, Azure, GCP, VMWare VSphere, Windows Active Directory

Education

University of Ottawa

MSc in Computer Science, AI concentration

2021 – 2022

- GPA 10/10
- Thesis: TBD

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

- Published in September 2021 issue of IEEE engineering management review
- 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

Merit Scholarship, uOttawa Engineering Grad – \$15,000

2020 - 2021

Vector AI Scholarship – \$12,500

2020 - 2021

Become a Changemaker Entrepreneurial Grant – \$1000

Winter 2021

Mitacs Research Training Award – \$6000

Fall 2020

Merit Scholarship, uOttawa Engineering – \$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