Oliver Benning

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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

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 and C.

University of Ottawa

Teaching Assistant   01/2019 – 04/2021

- TA for 7 courses in computer science topics.
- 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 – Present

- Time endurance races all across Canada

Web Developer   04/2017 – 09/2017

- Backend business logic of sportstats.ca

Education

University of Ottawa

Honours BSc in Computer Science and Mathematics   2016 – 2021

- GPA 9.3/10
- CO-OP
- French Immersion

Projects/Publications

Solving JumpIN' using reinforcement learning   Summer 2020
- Accepted to AAAI-21 proceedings

Braid groups in public key cryptography   2017 − 2018
- Supervised by Dr. Hadi Salmasian in the Undergraduate Research Opportunity Program

Awards

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

Skills

Languages	English, French, German
Programming Languages	Python, C, JavaScript
Software	VMWare VSphere, Windows Active Directory