



JACOB HOUSE

COMPUTER SCIENCE STUDENT

I'm a software developer from St. John's, Newfoundland, Canada. Currently in the final semester of a computer science degree, my interests are primarily in areas such as security, automation, and operating systems. In my spare time I practice photography and graphic design.

EDUCATION

B.Sc. in Computer Science, Memorial University

2016–Present

- Term 7 academic average of 85% (3.8 GPA)
- Minor in mathematics with focus on pure math (number theory and analysis)
- Senior courses specialized in security, operating systems, and cryptography

International Baccalaureate Diploma Programme Certificates

2016

- Certificates in Biology, Chemistry, European History, and Math
- Grades of 5, 5, 5, and 6, respectively (out of 7)

Newfoundland & Labrador High School Diploma, Honours

2016

- Overall average of 88%

EMPLOYMENT

Software Developer, The Commons, Memorial University

January 2019–Present

- Creating a web-based mobile printing system
- Using Python and Adobe Acrobat's Preflight

Marketing Assistant, The Commons, Memorial University

June 2018–December 2018

- Created print and digital marketing material (posters and Instagram ads)
- Updated internal brand standards and employee profiles

Sales Associate, Old Navy

June 2015–September 2016

- Worked positions including cashier, shipment team, sales floor, fitting rooms
- Known to produce quality work and be very hard-working (e.g., made head cashier on Black Friday)

VOLUNTEERING

Full Stack Developer & Technical Producer, VOWR Radio Station

June 2018–Present

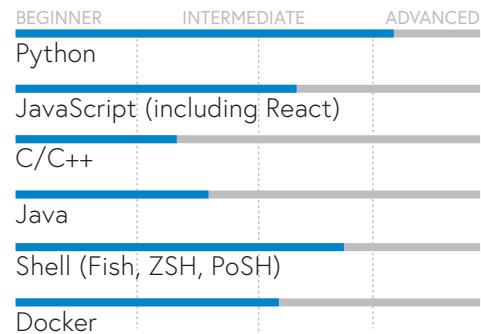
- Designing and developing a music inventory system (Python, SQL, Docker, BSD)
- Used to record *Guest Interview* each week when school not in session

IT & Security Consultant, Memorial University CS Department

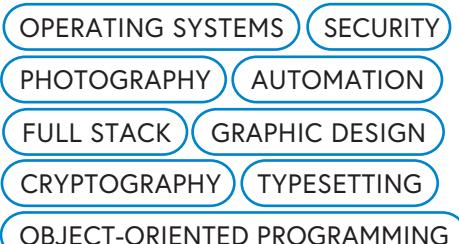
January 2017–August 2018

- Found and patched vulnerabilities in LabNet Windows authentication
- Assisted with automated deployment of Windows images using LabNet with SysPrep and WDS (Windows Server)

SKILLS



INTERESTS



AWARDS

Faculty of Science Dean's List

2016–2017 Academic Year

NL Regional Science Fair, Bronze Medalist

2016–2017 Academic Year

CONTACT

- (941) 726 - 0872
- me@jwfh.ca
- <https://jwfh.ca>
- <https://github.com/jwfh>
- <https://go.jwfh.ca/Wm7mQ>
- <https://go.jwfh.ca/jgUfE>
- St. John's, Nfld.



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REFERENCES

Jonathan Anderson

Assistant Professor
Department of Electrical and Computer Engineering, Memorial University
jonathan.anderson@mun.ca
+1 (709) 864-2715

RELATIONSHIP

Dr. Anderson was my professor for Real-Time Operating Systems in the Winter 2019 semester, and then both Data Structures and Computer Security in the Spring 2019 semester. He has also mentored me in becoming a code contributor to the FreeBSD operating system.

Michael Rayment

LabNet Systems Administrator
Department of Computer Science,
Memorial University
mtr@mun.ca
+1 (709) 864-8711

RELATIONSHIP

Mr. Rayment has been a long-time mentor throughout my degree at Memorial. I first worked with him on patching Windows login vulnerabilities, then assisting with Windows client operating system deployment methods, and most recently research and development of SNMP and print-related code.

Howard Heys

Professor
Department of Electrical and Computer Engineering, Memorial University
hheys@mun.ca
+1 (709) 864-2514

RELATIONSHIP

Dr. Heys was my professor for Cryptography in the Winter 2019 semester.