

# Hunter Alloway

Lynchburg, VA | (561) 452-3266 | [hunter@alloway.net](mailto:hunter@alloway.net) | <https://hunteralloway.github.io>

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## EDUCATION

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### **MSc, Engineering**

May 2027

Liberty University, Lynchburg, VA

GPA: 3.6

Organizations: IEEE Ocean Engineering Society

Dissertation: Underwater Wireless Communication

Dissertation Chair/Supervisor: Dr. Kyung K. Bae

### **MASc, Electrical Engineering Candidate**

January 2024 – December 2025

Dalhousie University, Halifax, Canada

GPA: 3.6

Organizations: IEEE Ocean Engineering Society

Affiliations: Graduate Student Council Member

Dissertation: Underwater Wireless Communication Gateway

Supervisory Committee: Dr. Mae Seto & Dr. Rob Adamson

### **BSc, Electrical Engineering**

May 2022

Liberty University, Lynchburg, VA

GPA: 3.11

## **PROFESSIONAL INDUSTRY EXPERIENCE**

### **Canadian Imperial Bank of Commerce**

#### **Agile Test Coordinator**

May 2022 – August 2023

Launch of Small Business Loan Application: nCino

Director: Vassilis Foutsis

#### **Test Analyst**

May 2018 – August 2022

Supervisor: David Prihodko

[David.Prihodko@cibc.com](mailto:David.Prihodko@cibc.com)

## **TEACHING EXPERIENCE: PROFESSIONAL TEACHING APPOINTMENTS**

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### **Part Time Course Demonstrator – Control Systems Engineering**

Jan. 2024 – April 2024

Dalhousie University, Halifax, Canada

Department of Electrical & Computer Engineering

MECH4900-Control Systems II (Demonstrator)

### **Part Time Teaching Assistant**

Dalhousie University, Halifax, Canada

Department of Electrical & Computer Engineering

ENGM1081 – Computer Programming in C

Sept. 2025 – Dec. 2025

ENGI 2203 – Engineering Design II

Jan. 2025 – April 2025

ENGI 2203 – Engineering Design II

Jan. 2024 – April 2024

ENGI 4402 – Real Time Operating Systems

Sept. 2024 – Dec. 2024

### **Graduate Student Assistant – Grader**

Aug. 2025 – May 2025

Liberty University, Lynchburg, VA

Department of Computational Sciences & Engineering

Grading Assignments and Facilitating Engineering Labs

### **LICENSES**

**Advanced Open Water Certification**

2016

Certification Affiliation: PADI

### **PUBLICATIONS**

#### **Paper Conferences**

1. Maurelli F, **Alloway H**, Terrasson de Montleau A, Leite L, G De Masi (2026) Engineering the Ocean Decade Innovation Pipeline: The IEEE OES Ocean Challenge as a Scalable Mechanism for Ocean Technology Prototyping and Capacity Development. *OCEANS 2026: DOI Pending*
2. Nges B, Moore D, Doucet A, Bhattacharya A, **Alloway H**, Bousquet J.F. (2024) An Adaptive Acoustic Transceiver Testbed on System-on-Chip for Underwater Communication. *OCEANS 2024: 240426-051*

#### **IEEE Journal of Ocean Engineering**

1. Rangraz P, Nges B, Benghoula M, **Alloway H**, Bousquet J.F. (2025) Evaluation of the Magneto-Inductive Communication Link Reliability to Cross the Air-Water Interface. *IEEE Journal of Ocean Engineering: 25-0487*

### **PRESENTATIONS**

#### **Invited Talks – OCEANS Conference, France**

Alloway, H, & Nges, B. (OCEANS 2025). *A Magnetic Induction Sea-Ice Communication Link for CTD Data Collection*, Presentation. Brest, France

### **RESEARCH EXPERIENCE**

January 2024 – December 2025

Dalhousie University, Department of Electrical & Computer Engineering

Halifax, Canada

UWSTREAM Laboratory

Link: <https://www.uwstream.com/>

## **GRANTS, AWARDS, & SCHOLARSHIPS**

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|---------------------------------------------------------------------------------|------|
| <b>Ocean Engineering Challenge Winning Team, IEEE Ocean Engineering Society</b> | 2025 |
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1st Place Winner & Team Lead

Global Competition – 12 Teams, 45 Participants, 10 Countries

OCEANS 2025 Brest, France (September 2025)

Dalhousie University, Department of Electrical & Computer Engineering

Amount Awarded: \$8,000

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| <b>Dean's List</b> | 2021 |
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Liberty University – 3<sup>rd</sup> Year Undergraduate BSc in Electrical Engineering

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| <b>CIBC Impact Award</b> | 2019 |
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Canadian Imperial Bank of Commerce – Digital Contact Center Technologies

## **Research Funding**

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|-----------------------------------|-----------|
| <b>Graduate Student Assistant</b> | Sept 2026 |
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Department of Engineering & Computational Sciences

Liberty University, Lynchburg, VA

**Amount:** \$12,000 (Full Credit Load Per Semester + Stipend)

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|-------------------------------------------------|--------------|
| <b>Faculty of Graduate Research Scholarship</b> | January 2025 |
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Department of Electrical & Computer Engineering

Dalhousie University, Halifax, Canada

Amount: \$1,800

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| <b>Dalhousie Graduate Student Research Grant</b> | January 2024 – December 2025 |
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Department of Electrical & Computer Engineering

Dalhousie University, Halifax, Canada

Amount: \$12,000

## **PROFESSIONAL AFFILIATIONS & MEMBERSHIPS**

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|                                |                       |
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| IEEE Ocean Engineering Society | August 2023 – Present |
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| IEEE Student Society | August 2023 – Present |
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## **MINISTRY EXPERIENCE**

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| <b>Landscape Engineer</b> | April 2025 |
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Rocky Ridge Ranch

Milton, ON

## **SOFTWARE AND PROGRAMMING SKILLS**

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*Software:* SolidWorks, MATLAB, STM32CubeIDE, Atmel Studio, Multisim, PSpice, Quartus-Prime

*Languages:* C, Python, Verilog, SQL, Java

## REFERENCES

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### **David Prihodko**

Canadian Imperial Bank of Commerce

Position Held

Supervisor

81 Bay Street

Toronto, ON M5J 0E7

(416) 505-3641

david.prihodko@cibc.com

### **Agnes Roxas**

Canadian Imperial Bank of Commerce

Senior Director of Contact Centre Technologies

Supervisor

### **Vassilis Foutsis**

Canadian Imperial Bank of Commerce

Vice President of Business Contact Centre Technologies

Supervisor

81 Bay Street

Toronto, ON M5J 0E7

Vassilis.foutsis@cibc.com