

# David Jiang

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## EDUCATION

### **MSc, Master of Science in Computer Science**

Kingston, ON | Apr 2026

QUEEN'S UNIVERSITY

Research: IOT, Data Analysis, Data Mining

### **BCMPH, Bachelor of Computing (Honours) Computer Science Specialization with Professional Internship with Distinction**

Kingston, ON | Apr 2024

QUEEN'S UNIVERSITY

2020-2022, 2024 Queen's University Dean's Honours List

Professional Internship at Statistics Canada

### **CDATA, Certificate of Data Analytics**

Kingston, ON | Apr 2024

QUEEN'S UNIVERSITY

## WORK EXPERIENCE

### **STATISTICS CANADA | JUNIOR ANALYST, DATA SCIENTIST**

Ottawa, ON | Jan 2023 - Apr 2025

- Top 5% of students hired in the last 5 years
- Assisting, modernizing, and automating production tasks
- Pioneer in legacy SAS to Python/R conversions under Data Science team
- Worked in Agile-style sprints to design, test, and deploy machine learning workflows

### **CANADIAN ARMED FORCES | SECTION COMMANDER**

Kingston, ON | Feb 2020 - Present

- Achieved the rank of Corporal
- Completed several career and supplemental military courses such as Primary Leadership Qualification (PLQ)
- Teaching on courses such as Basic Military Qualification (BMQ)
- Led teams at the section level in operational contexts, developing strong communication and problem-solving skills under mission-critical conditions

### **QUEEN'S UNIVERSITY | TEACHING ASSISTANT**

Kingston, ON | Sep 2022 - Apr 2025

- Teaching assistant for several courses of varying levels throughout undergraduate and graduate career
- Graded assessments and provided feedback and assistance to students
- Supervising teams of students for research projects

## PROJECTS

### **SAS TO PYTHON CONVERSION**

SAS, PYTHON, R, EXCEL

A massive modernization and cost saving project within Statistics Canada to migrate from SAS to Python or R.

Converting legacy SAS scripts and tools to Python or R with the help of data science techniques.

### **ROCM DEVELOPMENT**

PYTHON, C, C++

Personal research into AMD's ROCm stack, comparing ROCm to CUDA, developing low level functions and optimizations.

### **SENSOR FUSION**

PYTHON

A multi-sensor interface, utilizing a conventional camera, an IR sensor and thermal imaging to detect targets.

Implemented using YOLOv8 and live image feeds processed on a Raspberry Pi 4.