JOSHUA KEARNEY

Software Engineer

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EDUCATION

B.Eng. Mechanical Engineering
Memorial University
Current GPA: 4.0/4.0 (87.7%) - Cumulative GPA: 3.56/4 (80%)

Sep 2014 – Apr 2019
St. John's, NL

ENGINEERING EMPLOYMENT

Cloud Software Engineer
Verafin

June 2019 - Current
St. John's, NL

- Developing cloud architectural solutions for an industry leading crime fighting software platform

Software R&D Engineering Intern
General Dynamics Mission Systems

Sep 2018 – Dec 2018
Ottawa, ON

- Coded and tested a mission critical military networking software for a next-gen vehicle smart display computer

Electromechanical Engineering Intern
DuXion Motors Inc.

Jan 2018 – May 2018
St. John's, NL

- Created an electric aircraft motor cooling system that reduced the system temperature by 50%

Mechanical Engineering Intern
Kraken Robotics Inc.

May 2017 – Aug 2017
St. John's, NL

- Designed and manufactured a proprietary underwater electronic system for an AUV vehicle

Armored Vehicle Engineering Intern
Rheinmetall Landsysteme Defence GmbH

Sep 2016 – Dec 2016
Unterlüß, Germany

- Developed the electronic packaging system for the Puma IFV vehicle communication network

INVOLVEMENT

Software Developer
Eastern Edge Robotics

Jan 2017 – May 2019
St. John's, NL

- Developed advanced robotic computer vision and path finding software using Python and OpenCV
- Created robot networking software (TCP/IP, Ethernet) using Embedded C and Arduino
- Competed in 2017 & 2018 International MATE ROV Competitions (CA, WA), placing 5th & 8th overall

Recent Software Projects
- Vehicle Detection Program: Detects vehicles while driving using machine learning and computer vision
- Python Salary Scraper: Application that parses and displays cost value of a University Professors time
- Remote Twitter Poster: Hackathon built Chrome Extension to remotely post to Twitter from any website

SKILLS AND INTERESTS

Programming:	Java (Spring/ Spring Boot) **|** Terraform **|** JS/HTML/CSS **|** Python (NumPy, OpenCV)
Software Tools:	AWS **|** Docker **|** Linux/Bash **|** ReactJS **|** Git/GitHub **|** OAuth/JWT
Volunteering:	Head Coached 30 Member Competitive Swim Team **|** Resident Assistant & Engineering Tutor
Recent Reads:	Cryptography Engineering **|** When Breath Becomes Air **|** Gödel, Escher, Bach **|** Snow Crash