

# Brandon Kupczyk

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## EDUCATION

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### Marquette University

Bachelor of Science in Computer Engineering  
Cumulative GPA: 3.4

Milwaukee, WI

May 2018

## EXPERIENCE

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### Raytheon Applied Signal Technology

*Software Engineer*

Salt Lake City, UT  
August 2018 to present

- Contributing to a dynamic cross-disciplinary team
- Run weekly software discipline/design meetings
- Developing C++ for embedded and desktop applications
- Working extensively with Qt and embedded software interfacing with hardware
- Created an automated cross platform build system (embedded, Linux and Windows)
- Investigated and implemented mapping software based on Leaflet and NodeJS

### Siemens XRAY R&D Co-Op

*Software Development / IN&T*

Hoffman Estates, IL  
January – December 2016

- Utilized Microsoft's WPF in C#/XAML to develop tools that monitored and edited system communications and visualized logs
- Used TFS to branch/merge migrations and manage builds for installations
- Worked with developers to design and implement frontend and backend code
- Identified and debugged problems in a large/complex code base that improved problem solving techniques

### University Experiences

*Marquette University*

Milwaukee, WI  
Fall 2013 to May 2018

- Headed research for Dr. Cris Ababei investigating different implementations of the Viola Jones object recognition algorithm in C++, Cuda, and OpenMP
- Utilized Python to clean and analyze data for networking and data science applications which resulted in unique findings
- Developed a Raspberry-Pi based Data Acquisition system for Marquette's SAE Baja car, utilizing analog and digital sensors
- Worked as a Student ambassador for the College of Engineering assisting with prospective student visits, including leading tours of Engineering Hall and writing follow-up communications

## SKILLS, INTERESTS

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### Technical Overview

*I.T. / Computer Skills*

- Skilled in C++, C#, Python, Git, TFS and basic knowledge of Javascript
- Experience with Boost, QT, Cuda, Pandas, scikit-learn, and multi-threaded and embedded application design
- Windows, Linux and macOS
- Knowledgeable of Scrum methodologies

**Interests outside of work:** Avid rock climber and backcountry skier