

# Brandon Kupczyk

## Campus address:

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## Permanent address:

455 Sunnyside Avenue, Elmhurst, IL 60126

## EDUCATION

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**Marquette University**  
Bachelor of Science in Computer Engineering  
Cumulative Major GPA: 3.4

Milwaukee, WI  
Expected May 2018

## EXPERIENCE

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**Researcher in the Marquette Embedded Systems Lab**  
*Undergraduate Researcher*

Milwaukee, WI  
June 2017 to present

- Utilized OpenCV to parse a video stream and applied the Viola-Jones computer vision algorithm to each frame via a parallelized architecture
- Attaining in-depth knowledge of the C++ and Cuda languages

**Siemens R&D Co-Op**  
*Software Installation / Development*

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

**Young Life Leader**  
*Co-leadership Role*

Wauwatosa, WI  
Fall 2013 to present

- Volunteer over 5 hours a week during the school semester
- Lead a group of 45-75 students in games and small groups which consistently refines leadership skills

**Academic Experience**  
*Marquette Univ.*

Milwaukee, WI  
Fall 2013 to present

- Written quality code in Embedded C to Python For network science
- Thrived in courses such as Operating Systems, Artificial Intelligence, and Data Structures

## OVERVIEW & ACTIVITIES

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### Technical Overview

#### *I.T. / Computer Skills*

- Skilled in C, C++, C#, Java, Python, Git, and TFS
- Experience with OpenCV, Cuda, Pandas, scikit-learn, and multi-threaded application design
- Built and problem-solved computers with different operating systems including Windows, Linux and macOS

**Current activities:** Outdoor enthusiast & Vice President of the Marquette Rock Climbing Club

**GitHub:** <https://github.com/bkupz/>