

# MAXWELL MCMANUS

## CONTACT INFORMATION

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205 Davis Hall, University at Buffalo, Buffalo, NY 14260

*Phone:* (716) 440-0313

*E-mail:* memcmanu@buffalo.edu

*Webpage:* <https://www.linkedin.com/in/maxwell-mcmanus-8051ab133/>

**STATUS:** US Citizen

## EDUCATIONAL BACKGROUND

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**State University of New York (SUNY) at Buffalo, USA** **Jan. 2020 - present**  
Department of Electrical Engineering  
Ph.D. Student (GPA: 4.00)  
Advisor: Dr. Zhangyu Guan, Dr. Scott Pudlewski

**State University of New York (SUNY) at Buffalo, USA** **2015-2019**  
School of Engineering and Applied Sciences  
B.S. in Electrical Engineering  
Graduated May 2019 (GPA: 3.75)

**Polytechnic University of Valencia, Valencia, Spain** **Fall, 2018**  
Higher Technical School of Telecommunications Engineering  
Various Coursework, Master of Science in Telecommunications Engineering

## EMPLOYMENT HISTORY

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**Student Research Associate** **May 2020 - July 2020**  
Air Force Research Laboratory (AFRL) Visiting Faculty Research Program (VFRP)  
Griffiss Institute  
Mentors: Dr. Zhangyu Guan and Dr. Scott Pudlewski

**Engineering Intern** **May 2017 - August 2018**  
Upstate Farms Cultured Products Facility  
Upstate Niagara Cooperative  
Mentor: Myron Deputat

**Student Assistant, various courses** **January 2017 - May 2018**  
Department of Electrical Engineering  
University at Buffalo  
Mentors: Dr. Michael Langberg, Dr. Pedram Johari, Dr. Nicholas Mastronarde

**Student Ambassador** **August 2016 - May 2019**  
University at Buffalo Honors College  
Mentor: Timothy Matthews

**Education and Marketing Intern**  
Frank Lloyd Wright's Darwin Martin House  
Martin House Restoration Corporation  
Mentor: Gina Miano

**May 2019 - August 2019**

## **RESEARCH INTERESTS**

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- **Wireless Network Security:** Protocol Jamming/Anti-Jamming, Adversarial Machine Learning
- **Network Design Automation:** Software-defined Networking, AI for Wireless
- **Spectrum Sharing Technologies:** Physical-layer recognition and sensing

## **HONORS & AWARDS**

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- University at Buffalo Honors College Presidential Scholarship
- Summa Cum Laude, University at Buffalo
- UB Department of Electrical Engineering Study Abroad Fellowship
- 1st Place, 2020 UB Electrical Engineering Departmental Graduate Student Poster Competition

## **PROFESSIONAL ACTIVITIES AND SERVICES**

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### **Leadership Positions**

- Board Member, University at Buffalo Electrical Engineering Graduate Student Association (Fall 2019 - Present)
- Team Leader, University at Buffalo Alternative Break - Charlottesville, VA (Spring 2017)
- Team Leader, University at Buffalo Alternative Break - Cleveland, OH (Fall 2018)

### **Departmental, School and University Services**

- Student Demonstrator, 1st Buffalo Day for 5G and Wireless Internet of Things (22 November 2019)
- Student Assistant, UB School of Engineering and Applied Sciences - EAS 178: Digital Principles (Spring 2016)  
Professor: Dr. Michael Langberg
- Student Assistant, UB School of Engineering and Applied Sciences - EAS 240: Introduction to Programming (Spring 2017)  
Professor: Dr. Nicholas Mastronarde
- Student Assistant, UB School of Engineering and Applied Sciences - EAS 240: Introduction to Programming (Spring 2017)  
Professor: Dr. Pedram Johari

## **REFERENCES**

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### **Zhangyu Guan**

Assistant Professor  
Department of Electrical Engineering  
University at Buffalo  
Phone: (716) 645-1207  
Email: guan@buffalo.edu

**Katharine Bartelo**

Academic Coordinator

Department of Electrical Engineering

University at Buffalo

Phone: (716) 645-2404

Email: [kbartelo@buffalo.edu](mailto:kbartelo@buffalo.edu)

**Nicholas Mastronarde**

Associate Professor

Department of Electrical Engineering

University at Buffalo

Phone: (716) 645-1537

Email: [nmastron@buffalo.edu](mailto:nmastron@buffalo.edu)