

Daniel G. Graham Ph.D

CONTACT INFORMATION 411 Rice Hall
Charlottesville
Virginia Website: **DanielGGraham.com**
E-mail: dgg6b@virginia.edu
Github: <https://github.com/researcher111>

INTERESTS Embedded Systems & Networks

PROFESSIONAL EXPERIENCE **University of Virginia**, Charlottesville, Virginia USA
Assistant Professor **August 2018 - Present**
-Research Focus: Intelligent and Secure Systems

Bridgewater College, Bridgewater, Virginia USA
Assistant Professor **August 2017 - June 2018**
-Research Focus: Intelligent and Secure Systems

Microsoft, Redmond, Washington USA
Program Manager **Jan, 2016 - May 2017**
- Telemetry, Theming, Chrome SSO plugin 1.3+ million users

Microsoft, Redmond, Washington USA
Program Manager Intern **Mar, 2014 - Jun 2014**
- Mobile Web Shell

PUBLICATIONS **Internet of Things Publications**

- **Daniel Graham**, Arnold Yim, Gang Zhou, Weizhen Mao “Real-Time Encoding/Decoding for Pairwise Communication Over an Unreliable Sensor Network” in *Sensornets* 2019 [PDF]
- **Daniel Graham**, Gang Zhou, “Prototyping Wearables: a Code-First Approach to Designing Embedded Systems” in *IEEE Internet of Things Journal* 2016 [PDF]
- **Daniel Graham**, Gang Zhou, Ed Novak, Jeff Buffkin “A Smartphone Compatible SONAR Ranging Attachment for 2D Mapping” in *IEEE Internet of Things Journal* 2015 [PDF]
- **Daniel Graham**, George Simmons, David T. Nguyen, Gang Zhou, “A Software Based Sonar Ranging Sensor For Smart Phones” in *IEEE Internet of Things Journal* 2015 [PDF]

Machine Learning Publications

- Grechanik, M., Prabhu, N., **Graham, D.**, Poshyvanyk, D., and Shah, M., “Can Software Project Maturity Be Accurately Predicted Using Internal Source Code Metrics?”, in *Proceedings of the 12th International Conference on Machine Learning and Data Mining (MLDM16)* 2016 [PDF]
- Yantao Li, Gang Zhou, **Daniel Graham**, Andrew Holtzhauer, “Towards an EEG-based brain-computer interface for online robot control” in *Multimedia Tools and Applications* 2015 [PDF]
- Yantao Li, **Daniel Graham**, Gang Zhou, Xin Qi, Shaojiang Deng, Di Xiao, “Discrete-time Markov Model for Wireless Link Burstiness Simulations” in *Springer Wireless Personal Communications* 2013 [PDF]

TEACHING
EXPERIENCE

Fall 2017	Spring 2018	Fall 2018	Spring 2018
Algorithms	Networks	Networks	Mobile Development
Databases	Ethical Hacking	Computer Arch	Algorithms
Intro to CS	Intro to CS		

EDUCATION

William and Mary, Williamsburg, Virginia USA

Ph.D., Computer Science, May 2016

- Dissertation Topic: “Enhancing the Sensing Capabilities of Mobile and Embedded Systems”
- Advisor: Gang Zhou

University of Virginia, Charlottesville, Virginia USA

M.Eng., Systems Engineering, May, 2011

University of Virginia, Charlottesville, Virginia USA

B.S., Computer Engineering, Electrical Engineering & Engineering Science, May, 2010

SERVICE

- TCP Member IEEE ICCCN 2019
- IEEE Journal Internet of Things Reviewer
- RSSE'12 (co-reviewer)

GRANTS

2015, Research Support from W&M Technology Transfer Office for Prototyping Wearable Devices, \$12,000.

HONORS AND
AWARDS

William and Mary Graduate Research Fellowship, 2011