

Daniel G. Graham Ph.D

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| CONTACT INFORMATION | 411 Rice Hall Charlottesville Virginia | <i>Website:</i> DanielGGraham.com <i>E-mail:</i> dgg6b@virginia.edu <i>Github:</i> https://github.com/researcher111 |
| INTERESTS | Embedded Systems & Networks | |
| PROFESSIONAL EXPERIENCE | University of Virginia , Charlottesville, Virginia USA <i>Assistant Professor</i> -Research Focus: Intelligent and Secure Systems | August 2018 - Present |
| | Bridgewater College , Bridgewater, Virginia USA <i>Assistant Professor</i> -Research Focus: Intelligent and Secure Systems | August 2017 - June 2018 |
| | Microsoft , Redmond, Washington USA <i>Program Manager</i> - Telemetry, Theming, Chrome SSO plugin 1.3+ million users | Jan, 2016 - May 2017 |
| | Microsoft , Redmond, Washington USA <i>Program Manager Intern</i> - Mobile Web Shell | Mar, 2014 - Jun 2014 |
| SKILLS | <ul style="list-style-type: none">• Languages: Java ,C#, C++, MATLAB, Python, VHDL, R, Scala• Software Development Tools: Visual Studio, IntelliJ, IAR, Git• Frameworks: Hadoop, Pandas, Tensor Flow, Sklearn, Spark | |
| PUBLICATIONS | Internet of Things Publications <ul style="list-style-type: none">• Daniel Graham, Gang Zhou, “Prototyping Wearables: a Code-First Approach to Designing Embedded Systems” in <i>IEEE Internet of Things Journal</i> 2016 [PDF]• Daniel Graham, Gang Zhou, Ed Novak, Jeff Buffkin “A Smartphone Compatible SONAR Ranging Attachment for 2D Mapping” in <i>IEEE Internet of Things Journal</i> 2015 [PDF]• Daniel Graham, George Simmons, David T. Nguyen, Gang Zhou, “A Software Based Sonar Ranging Sensor For Smart Phones” in <i>IEEE Internet of Things Journal</i> 2015 [PDF] Machine Learning Publications <ul style="list-style-type: none">• Grechanik, M., Prabhu, N., Graham, D., Poshyvanyk, D., and Shah, M., “Can Software Project Maturity Be Accurately Predicted Using Internal Source Code Metrics?”, in <i>Proceedings of the 12th International Conference on Machine Learning and Data Mining (MLDM16)</i> 2016 [PDF]• Yantao Li, Gang Zhou, Daniel Graham, Andrew Holtzhauer, “Towards an EEG-based brain-computer interface for online robot control” in <i>Multimedia Tools and Applications</i> 2015 [PDF]• Yantao Li, Daniel Graham, Gang Zhou, Xin Qi, Shaojiang Deng, Di Xiao, “Discrete-time Markov Model for Wireless Link Burstiness Simulations” in <i>Springer Wireless Personal Communications</i> 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