Drew Williams

Software Engineer

✉ drew@dmariew.me
🖥 http://dmariew.me
🐦 terminaltraces
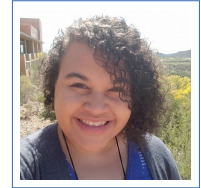
▬▬▬ Experience

Vocational

May 2015–Aug. 2015
Software Technology Intern, *Intel Corporation*, Hillsboro, OR.
Developed an IoT demo using the Intel Edison platform, MQTT, and NodeJS (presented at the 2015 Intel Developer Forum). Mentored participants of Intel hackathons and evangelized Intel technology. Produced high-quality documentation for configuring the Intel Edison.

Oct. 2012–Apr. 2013
QA/Documentation Intern, *iStream Financial Services*, Brookfield, WI.
Tested and wrote documentation/test cases for check cashing software. Led company efforts in beginning the use of automation software in testing procedures. Assisted fellow intern in quality assurance work, creating test cases in SpiraTest and executing said tests.

Research and Development

January 2017–May 2017
Web Developer/Research Assistant, *University of Wisconsin-Milwaukee*, Milwaukee, WI.
Created an accessible archive website utilizing a modern JavaScript stack (React, Express, NodeJS, RethinkDB, etc.) Added search engine functionality via implementation of an ElasticSearch engine.

July 2016–August 2016
Graduate Research Assistant and Web Developer, *Marquette University, UW-Milwaukee*, Milwaukee, WI.
Continued development of a cross-platform desktop application for completing surveys in occupational therapy. Initiated work on a project involving developing an accessible archival website using NodeJS and React.

May 2016–July 2016
Computational Sciences Summer Research Fellow, *Marquette University, UW-Milwaukee*, Milwaukee, WI.
Developed a cross- platform application for creating usable and accessible surveys, written in LiveCode for the Windows/Mac desktop.

May 2013–May 2015
Grant Research Assistant/Lab Manager, *Ubicomp Lab @ Marquette University*, Milwaukee, WI.
Lead multiple teams across 7+ grant-funded projects, using agile principles to consistently meet deadlines. Developed iOS access ratings, slope, and font tools in Objective-C for interdisciplinary project with UW-Milwaukee. Developed Android-based SMS server in Java and an iPad assessment app in Objective-C for a smoking cessation project.

Further employment history available upon request.

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Education

Dec. 2018 [Expected]	**Doctor of Philosophy in Computational Sciences**, *Marquette University*, Milwaukee, WI.
June 2014	**Master of Science in Computing**, *Marquette University*, Milwaukee, WI.
May 2012	**Bachelor of Science in Computer Science**, *University of Chicago*, Chicago, IL.

Talks and Panels

- **April 27th, 2018 – Ethics of Big Data Symposium – Milwaukee, WI**
  Spoke during the "Data Science Oath" presentation on bias in data collection.
- **April 19th, 2018 – MHSA Career Day – Milwaukee, WI**
  Alumni speaker, discussed potential careers for art students in STEM.
- **June 15th, 2016 – Write/Speak/Code 2016 Writing Panelist – Chicago, IL**
  Discussed writing tips and strategies for female developers.

Recent Awards/Achievements

- **AISES/Intel "Growing the Legacy" Scholarship – August 2018**
- **Graduate School Travel Grant for RESNA 2018 – July 2018**
- **RESNA Student Scientific Paper Awards (Honorable Mention) – July 2018**
- **Social Innovation Grant – November 2016**
- **Grace Hopper Conference Scholarship – May 2016**
- **Graduate School Travel Grant for RESNA 2016 – May 2016**
- **Computational Sciences Summer Research Fellowship Award – April 2016**

Professional Organizations/Affiliations

- Intel Innovator [IoT/Intel Edison]
- American Indian Science and Engineering Society **[Sequoyah Fellow]**
- Institute of Electrical and Electronics Engineers - Student Member
- Association for Computing Machinery - Student Member

Computer skills

Programming	Node.JS, Javascript, C/C++, Objective C, Java, MySQL, HTML/HTML5, CSS/CSS3, Python	IDEs	Android Studio, Xcode, Eclipse, Canopy, Texmaker, Matlab, Mathematica, Visual Studio, LiveCode
Applications	Microsoft Office, Adobe Photoshop, Selenium, SpiraTest, Basecamp, Trello	Technical Skills	Video Editing, Image Editing, Troubleshooting, Hardware and Software Repair