BRIAN C.J. DICKINSON

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EDUCATION

University of Rochester, Rochester, NY

- M.S. Computer Science, March 2018
- PhD Computer Science (Expected 2020)

Houghton College, Houghton, NY

- B.S. Computer Science, May 2015
- Majors: Computer Science, Business Administration
- Minor: Mathematics
- GPA: 3.9 cumulative and in majors
- Outstanding First Year Student in the Computer Science Department for 2011–2012, Outstanding Sophomore Student in the Computer Science Department for 2012–2013, Computer Science Excellence Award for 2013-2014, and Computer Science Research Award for 2014-2015.

SKILLS

- Programming (Python, Java, Scala, R, and SQL)
- Web Programming (Python-Flask, HTML, JavaScript, and CSS)
- Data Mining, Machine Learning, and Statistics (Python, R, Scala)
- Deep Neural Networks (CNN and RNN using Python-Keras)
- Familiarity with both MS Windows and Linux Platforms

EXPERIENCE

Research Assistant to Dr. Henry Kautz, University of Rochester

- Geolocation of Twitter Users
- Mobility analysis using Google's Android location data
- Drug dealer identification and tracking in social media.

Research Assistant to Dr. Wei Hu, Houghton College

- Gender identification and spam detection on Twitter.
- Community detection in social networks.

Teaching Assistant, Houghton College Department of Computer Science

- Teaching Assistant for the following courses: Programming I (*2012–2014*), Programming II (2013–2015), Computer Architecture (*2014*), Data Structures and Algorithms (*2014*), and Machine Learning (*2014*).
- Responsible for grading homework, providing in-class guidance during labs, and leading weekly help sessions for students

Network Intern, Houghton College Technology Services

- Designed and implemented web and email integrated event registration and review system.
- Designed, implemented, and deployed an automated phishing attack recognition training system for college employees using dynamically generated phishing emails with automated employee performance evaluations, and automatically scaling attack sophistication.
- Implemented a visualization and failure warning system for network flow and load analysis.
- Assisted in deploying PacketFence and specific protocol filters for deep packet analysis.
- Configured and deployed Cisco switches and access points.