

Brandon Geraci

Last Updated on 2nd October 2019

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EDUCATION

UNIVERSITY OF MINNESOTA
MS IN COMPUTER SCIENCE
May 2020 | Duluth, MN

UNIVERSITY OF MINNESOTA
BA IN COMPUTER SCIENCE
Dec 2018 | Duluth, MN

COURSEWORK

GRADUATE

Compiler Design
Advance Computer Security
Advance Computer Networks
Devices and Sensors
Computer Graphics

UNDERGRADUATE

Computer Security
(Teaching Asst)
Operating Systems
Artificial Intelligence
Software Engineering

SKILLS

PROGRAMMING LANGUAGES

Over 5000 lines:
Java • Shell • Python • Javascript
Over 1000 lines:
C • C++ • javascript
Familiar:
MongoDB • MySQL • \LaTeX

PROGRAMMING TOOLS

IDEs:
VisualStudio • JetBrains • Eclipse
NetBeans
Tools:
CMake • GDB • GitHub
Virtualization:
Docker • VMware • VSphere • Proxmox
AWS

RESEARCH EXPERIENCE

UNIVERSITY OF MINNESOTA | RESEARCH ASSISTANT

May 2019 – Present | Duluth, MN

- Worked with **Peter Peterson** on a **NSF-funded project**.
- Statistically analyzed survey responses about security misconceptions.
- Developed a server that generates virtual desktop sessions with Docker containers for security misconception labs.

TEACHING EXPERIENCE

UNIVERSITY OF MINNESOTA | TEACHING ASSISTANT

Dec 2018 – May 2019 | Duluth, MN

- Instructed labs for Computer Security.
- Aided students in Computer Security topics.
- Grading.
- Provided feedback to instructor to improve the course.
- Created debugging videos to help students with programming issues.

LEADERSHIP EXPERIENCE

UNITED STATES ARMY | SUPPLY SPECIALIST

May 2008 – April 2016 | Fort Lewis, WA & Fort Hood, TX

- Supervised and performed tasks involving the general upkeep and maintenance of Army supplies and equipment
- Supervised and trained workers in unit supply management
- Worked with a deactivation team to reorganize a large company's equipment to subsidiary companies
- Oversaw a company's supply operation before, during, and after deployment operations to Afghanistan in 2012, and Liberia in 2014.

HOBBIES

DRONES

Autonomous vehicles has always been a interest of mine so I decided to make a drone that fly's itself. I installed long range recievers and transmitters for telemetry that is sent to a Linux Laptop. Mission's can be created and sent to the drone with linux software. brandongeraci.com/projects

IOT DEVICES

I used a small single-board computer to control a servo that would open our office door handle. Using python and several opensource libraries I added a RFID reader to the computer and coded a read and write program for key cards.
brandongeraci.com/projects

AWARDS

2015	Military	Army Achievement Medal - Outstanding achievement in Liberia
2013	Military	Army Commendation Medal - Operations in Afghanistan
2012	Military	Army Achievement Medal - Equipment recovery in Afghanistan
2012	Military	Army Commendation Medal