Grant L. Garrett-Grossman

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EDUCATION

University of Illinois at Urbana-Champaign   Expected May 2022
- Bachelor of Science in Computer Science GPA: 3.98/4.00
- Minor in Global Studies with a thematic focus on Governance and Conflict Resolution.
- Scholarship for Service Cybercorps Scholar.
- James Scholar and Dean's List.

PROFESSIONAL EXPERIENCE

Information Trust Institute, Champaign, IL   May 2020 – August 2020

Summer research position as a student research programmer working on the Cyber-Physical Experimentation Environment for RADICS (Rapid Attack Detection, Isolation and Characterization Systems), a DARPA funded critical infrastructure cyber security project..

- Performed development work including modifying internal Flask web portal to meet new project requirements, integrating portal with Single Sign On authentication, and writing Python scripts to connect various systems.
- Contributed to operations including researching, designing, and documenting a centralized logging system.
- Worked closely with the project team.

Construction Engineering Research Laboratory, Champaign, IL   May 2019 – August 2019

Summer enterprise software engineering internship working on the Enterprise Sustainment Management System for the Construction Engineering Research Laboratory, a part of the Engineer Research and Development Center in the Army Corps of Engineers,

- Implemented features and bug fixes on ESMS to improve user experience and compliance with client needs.
- Developed software across the entire web application stack including MSSQL database, ASP.NET backend API, and Angular frontend, as well as for WPF MVVC desktop and tablet application.
- Worked within a team using the Agile project management methodology.

PROJECTS

FPGA Accelerator   Spring 2020
- Programmed FPGA, Linux kernel module, and user space C library to offload computation to FPGA.
- Project Link: https://github.com/FakeNameSE/fpga_accelerator

iFeel App   Fall 2018 – Winter 2019
- Developed cross platform group chat mobile application with sentiment analysis with React-Native and Firebase.
- Project link: https://github.com/FakeNameSE/iFeel

EXTRA CURRICULAR ACTIVITIES

Science Policy Group, Champaign, IL   Fall of 2018 – Present
- Co-chair of the Professional Development Committee.
- Lead committee which provides a variety of programming for members and the general public including a Writing Workshop and represent it on the Executive Board.
- Took lead on researching, preparing, and offering a Science Policy Certificate through the club.

Association of Computing Machinery Admin, Champaign, IL   Fall of 2018 – Present
- Member of team which oversees and maintains internal network infrastructure for the club.
- Maintain and debug Linux and Windows virtual machine servers on hypervisors.

Taekwondo, Champaign, IL   Fall of 2018 – Present

SKILLS

Programming: C#, Typescript, C, C++, Verilog, Java, Python, Bash, HTML, CSS, and SQL, ASP.NET, Angular, React Native, Linux and Window Servers, Docker, FPGAs, managed switches, and installing server hardware.
Languages: French (fluent) and German (proficient).