

MICHAEL KEEN

WEBSITE

- <https://www.michaeljkeen.com>

EDUCATION

Purdue University, West Lafayette, IN
Master of Science, Computer Science, Expected in 05/2023

Ball State University, Muncie, IN
Bachelor of Science, Computer Science, 05/2021

Fishers High School, Fishers, IN
High School Diploma, 06/2017

PROFESSIONAL SUMMARY

Resourceful Graduate Research Assistant passionate about advancing knowledge in computer science and cybersecurity through high-quality research and development. Self-motivated professional with excellent communication, planning and problem solving abilities.

ACCOMPLISHMENTS

- Collaborated with team of six in the development of CYMANII industrial control systems project.
- Graduated *summa cum laude* from Ball State University (2021).
- Successfully earned TryHackMe's certification in cyber defense.
- Member of Purdue University's Capture The Flag team.
- Successfully delivered minimum viable product of progressive web application during internship with Accutech Systems Corporation.
- Developed iOS/Android application based in C#/.NET and Xamarin Forms with a team as part of senior undergraduate capstone project.

SKILLS

- Research and analysis
- Experiment management
- Documentation requirements
- Website infrastructure setup
- Source and Version Control: Git, Github
- Programming Languages: C++, C#/.Net, Python
- Object-Oriented Programming
- JS Frameworks: Vue
- Debugging and Troubleshooting
- Linux Environments
- Teamwork and Collaboration
- Analytical Thinking and Problem Solving

WORK HISTORY

GRADUATE RESEARCH ASSISTANT 08/2021 to Current

Purdue University, West Lafayette, IN

- Worked on CYMANII research team that included Dr. Dongyan Xu and Dr. Ananth Grama.
- Set up backend infrastructure for project, which consisted of installing HUBzero CMS on Linux server and adding custom components.
- Wrote and maintained setup documentation following good documentation practices.
- Attended weekly team meetings to discuss progress and clarify steps for upcoming tasks.
- Met with clients to explain software components and how to use them.

SOFTWARE DEVELOPER INTERN 06/2021 to 08/2021

Accutech Systems Corporation, Muncie, IN

- Learned software engineering process improvements and best practices.
- Supported development, QA and user experience staff to develop new products.
- Collaborated effectively with members of software development team and personnel in other departments.
- Prepared and submitted reports and other documentation to assist development team members.
- Met with Manager of Software Development on weekly basis to provide detailed project report and milestone updates.
- Developed progressive web application using ASP.NET Core and Vue.js frameworks.
- Analyzed source code to identify and rectify potential functionality issues.

TEACHING ASSISTANT 08/2018 to 05/2021

Ball State University Computer Science Department, Muncie, IN

- Assisted teachers with classroom management and document coordination to maintain positive learning environment.
- Set up visual aids, equipment and classroom displays to support teacher's lesson delivery.
- Created lesson materials, visuals and digital presentations to supplement lesson plans.
- Assessed student assignments to check quality and completeness before submission for grading.
- Recorded grades for coursework and tests in online reporting system.
- Tutored struggling students individually and in small groups to reinforce learning concepts.