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HEATHER KEMP

ACM Vice President, WICS President, WISE Mentor, ICRU Research Fellow, NCWIT Reviewer

SKILLS

- Experienced with Java, Python, JavaScript, Swift, R, Shiny R, and HTML
- Extensive use of Jenkins, Tableau, Google Analytics, Power BI, Git, and Postman
- Effective communication with non-programmers in English and Spanish

EXPERIENCE

University of Iowa Computer Science Department, Iowa City, Iowa — *Teaching Assistant*

AUGUST 2016 - PRESENT

- Teaching assistant for Introduction to Computer Science, Robot Theater, and Algorithms
- Worked with students on individual and small group basis to reinforce learning concepts
- Enforced rules for behavior and procedures for maintaining order during class

University of Iowa Pomerantz Career Center, Iowa City, Iowa — *Software & Data Assistant*

AUGUST 2016 - PRESENT

- Compiled reports using Tableau, Excel, and Word for University of Iowa officials
- Documented process of completing reports to enhance the speed of future reports by 10x
- Provided technical insight at weekly meetings with team to outline future projects

State Farm, Bloomington, Illinois — *Customer Core Services Intern*

MAY 2017 - AUGUST 2017

- Developed Postgres database and implemented use into Java production code
- Leveraged JUnit tests to ensure team code quality
- Tracked team's progress using Agile project management skills
- Volunteered to organize class for local youths on Scratch game development

John Deere, Moline, Illinois — *IT Analyst Intern*

MAY 2016 - AUGUST 2016

- Automated Tableau Server commands with REST API, Jenkins, and Python on Linux and Windows servers
- Communicated with end users and team during transition to automated scripts
- Utilized Tableau to aid with early error detection and data comprehension
- Monitored performance of servers and contents of databases with custom scripts

EDUCATION

University of Iowa, Iowa City, Iowa — *B.S in Computer Science with Honors / M.S in Computer Science*

AUGUST 2015 - EXPECTED MAY 2019

- *Cumulative GPA:* 3.93/4.0
- *Relevant Classwork*: Programming Language Concepts, Computer Organization, iOS/Android Development
- *Specialization:* Software Engineering Track
- *Awards*: Midwest Big Data Hack 1st Place (2017), Anita Borg GHC Scholar (2017), Dean's List (Spring 2016-Present)

PROJECTS

Internet of Followers

- Leveraged Unity and Tweepy for a VR application that visualizes a user's Twitter follower network in 3D space
- Monitored team progress during hourly Agile sprints and provided resources to overcome team roadblocks

Robot Theater

- Utilized principles of animation and robotics to program NAO robots for theater performances
- Coached in outreach programs using NAO robots to encourage youths to pursue STEM careers

Statistics App Suite

- Developed online apps in Shiny R and JavaScript to assist the learning of statistical concepts
- Analyzed app effectiveness using Google Analytics and standardized testing