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Kevin Simons

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Experience

Software Engineering, Intern
Workiva, January 2016 - Present

- Developed and maintained automated testing framework used by the companies developers
- Provide state of the art testing framework using technologies such as; Docker, AWS, and Selenium
- Developed automated health monitoring system to ensure uptime of critical services

Teaching Assistant for CprE
Iowa State University, Fall 2015

- Lead two lab sections per week teaching fundamentals of programming utilizing the C programming language
- Keep regular office hours as educational resource for students
- Review and grade programming assignments providing feedback and critique for improvement

Software Engineer, Intern
Rockwell Collins, Summer 2015

- Created .NET application in C# to automate aviation data loading via one-click deployment
- Automated usage of multiple GUI interfaces to reduce process complexity utilizing the Python programming language
- Refactored legacy C# code to optimize logfile parsing algorithm to be 85% faster with 90% savings on technical debt (lines of code)

Skills & Strengths

- **Languages:** Python, C, C++, C#, Java
- **Web:** Django, HTML, CSS
- **IDEs:** Pycharm, Visual Studio, Eclipse, Sublime Text
- **Operating Systems:** Mac, Linux, Windows
- **Version Control:** Git, Subversion, GitHub
- **Misc:** Scrum/Agile methodologies, Automated testing, JIRA, Test-driven development, Microsoft Office 365

Education

Iowa State University
Computer Engineering, Fall 2014 - Spring 2018 (expected completion)

- GPA: 3.6
- Completed coursework: Theoretical Foundations of CprE, Embedded Systems, Object Oriented Programming, Digital Logic, Differential Equations, Elementary Mandarin Chinese

Extra-curricular & Volunteer Work

- FIRST Robotics FLL Mentor
- Tutored gifted students at Bowman Woods Elementary in the Linn-Mar School District through the LEO program
- Developed award-winning JIRA-based workflow app for HackISU, an all-weekend programming competition at Iowa State University