

Jacob P. Dawson

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Professional Summary: Diligent undergraduate software engineering student with academic and professional experience in algorithm development, object-oriented programming, test-driven development, and web development. Pursuing a position performing software engineering-related work.

Education

Iowa State University

Ames, Iowa

Bachelor of Science: Software Engineering

May 2020

- Cumulative GPA - 3.09/4.00
- Multicultural Vision Program Scholar
- Muscogee Creek Nation Undergraduate Scholar

Work Experience

Source Allies

Urbandale, Iowa

Software Apprentice

May 2019 - August 2019

- Effectively used pair programming to develop and test solutions for user stories in React Native
- Consulted and collaborated with clients to implement improved solutions to user stories
- Updated API endpoints in a Java Spring Boot backend application

IMT Computer Services

West Des Moines, Iowa

Programming Intern

May 2018 - April 2019

- Utilized TDD to produce extensible code in Ember and Django web applications
- Redesigned frontend of company dashboard to improve customer experience, and update APIs
- Dashboard redesign focus was to progress towards a consistent user interface among products

Iowa State University

Ames, Iowa

Computer Science 106: Teaching Assistant

August 2018 - December 2018

- Advised students on fundamentals of developing web pages using a comprehensive life cycle
- Accurately graded assignments and provided detailed feedback based on assessment criteria

Leadership Experience

Software Engineering 491/492: Senior Design Project

Ames, Iowa

Project Manager

August 2019 - Present

- Develop and write project plan, software specification, design plans, and test plans
- Productively contribute to Node backend application and integration of Hyperledger Fabric
- Facilitate weekly virtual standups and organize client meetings
- Create and delegate issues respective to team members' roles

Relevant Skills

- *Software Development:* JavaScript, Python, Java, C/C++, HTML, CSS, and SQL
- *Software Frameworks:* React/React Native, Redux, Node, Ember, and Django
- *Environments:* UNIX and Windows
- Ability to work in a collaborative environment, utilizing agile practices

