

William C Rouse

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EDUCATION	<i>PhD</i> , Computer Science Oregon State University, Corvallis, OR Research Group: Artificial Intelligence, Machine Learning	Expected Jun 2018
	<i>BS</i> , Computer Science Valdosta State University, Valdosta, GA	May 2013
TECHNICAL SKILLS	<i>Languages:</i> <i>Proficient:</i> Java, C, Python, Javascript, HTML <i>Prior Experience:</i> CSS, JQuery, Ruby on Rails, C#, ASP.NET, Android	
	<i>Other Skills:</i> Database Design, SQL, HTTP, Unit Testing, Git, Unix/Linux Programming, UML, Agile Development, Design Patterns, L ^A T _E X	
EMPLOYMENT HISTORY	<i>Graduate Teaching Assistant</i> Oregon State University, Corvallis, OR CS 311: Operating Systems <ul style="list-style-type: none">• Graded student projects, quizzes, and exams• Helped students overcome technical and conceptual difficulties toward the completion of Linux programming projects	Sept 2013 - June 2013
	CS 331: Artificial Intelligence <ul style="list-style-type: none">• Graded student projects and exams• Gave the lectures on local search techniques (genetic algorithms, hill climbers, gradient descent)• Provided code to be completed by students for programming projects	
	<i>Research Assistant</i> Computer Science Department, Valdosta State University <ul style="list-style-type: none">• Worked under Dr. Christopher Jenkins on the research and development of a proactive, remote tutoring system utilizing the JavaWIDE programming environment• Designed and implemented a MySQL database and wrote a Java application to record JavaWIDE user statistics• Participated in the design of experiments aimed at measuring the learning benefits of a proactive tutoring system, and helped conduct these experiments	Feb 2012 - Jun 2012
	<i>Stratego</i> <ul style="list-style-type: none">• Designed and implemented in Java all aspects of the classic board game Stratego• Developed AI utilizing a modified Monte Carlo Tree Search algorithm and domain knowledge	https://github.com/wcrousse/Stratego

Senior Seminar, Valdosta State University

- Worked as project leader on a team of three to develop a website and Android application for The Greeting Service (a local travel and relocation company)
- Participated in all aspects of the development process, from requirements gathering and use-case analysis to testing and deployment
- Set up a Linux server and did some basic system administration subsequent to the completion of the project

PUBLICATIONS

- Comparing the Mobile Novice Programming Environments: App Inventor for Android and GameSalad, *42nd IEEE Frontiers in Education Conference, 2012*