

Jake Pitkin

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github.com/jspitkin

EXPERIENCE

University of Utah - School of Computing <i>Head Teaching Assistant</i> for Introduction to Algorithms and Data Structures.	<i>Aug. 2016 - Present</i>
Autodesk - Delcam <i>Software Engineer Intern</i> <ul style="list-style-type: none">Updated legacy C/C++ code to C# to address memory issues.Wrote software that generates HTML documents for part manufacturing.	<i>May 2016 - Aug. 2016</i>
University of Utah - School of Computing <i>Head Teaching Assistant</i> for Introduction to Algorithms and Data Structures.	<i>Jan. 2016 - May 2016</i>
University of Utah - School of Computing <i>Head Teaching Assistant</i> for Introduction to Object-Oriented Programming.	<i>Aug. 2015 - Dec. 2015</i>
University of Utah - School of Computing <i>Teaching Assistant</i> for <i>Software Practice I</i> .	<i>Jan. 2015 - April 2015</i>

SKILLS

Proficient Languages	Python, Java, Swift, C#
Familiar Languages	JavaScript, PHP, C, C++
Markup	HTML, CSS, XML, LaTeX
Data	SQL, Machine Learning, Natural Language Processing
Other	Bash, Git, SVN

PROJECTS

Darius

Swift, OpenGL, iOS

- Side-scrolling space shooter for iOS.
- Uses the OpenGL graphics API.
- Multiple levels with unique enemies.

TA Application

JavaScript, PHP, SQL, HTML, CSS

- A web portal used to apply to be a teaching assistant.
- Professors can look at potential candidates and assign them to courses.

Malware Proxy

Python

- Protects users from malicious content.
- Web requests are checked against a database of known malicious content.

Multicircle

JavaScript, Node.js, Socket.io

- Turn based strategy game with the option to play with strangers or friends.
- In-browser game with mobile support.

EDUCATION

University of Utah B.S./M.S. in Computer Science Dean's List: Fall 2013, Spring 2014, Fall 2014, Spring 2015, Fall 2015	<i>August 2013 - Spring 2018</i> <i>GPA: 3.76/4.0</i>
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