Victoria Nielsen

600 Greer Road, Palo Alto, CA 94303
Phone: 650-450-2106 E-Mail: victoria.nielsen@yale.edu

Skills

Software engineering skills and knowledge include:

Languages:
- Python, C, C++, Java
- HTML/CSS/PHP/SQL
- JavaScript/jQuery
- Node.js, React.js

Concepts:
- Object Oriented Programming
- Recursion
- Data Structures
- Algorithms
- Computer architecture

Platforms:
- Macbook with OSX
- Linux
- VMware Fusion/Windows

Art/Graphics Related Courses:
Basic Drawing, Visual Thinking, Graphic Design, Computational Vision, Digital Photorealism, Advanced Topics in Computer Graphics. Applications used: Photoshop, Maya, InDesign.

Projects

Floatyale.com – New Haven, Connecticut
- Co-founder and instructor for Float Yale, a CS organization at Yale University that offers free workshops and mentorship to students. Workshops include Python, HTML/CSS, JS/jQuery.

Impromptu – New Haven, Connecticut
- Class project; a mobile app that allows businesses and customers to offer and claim deals within a time period, using a Dutch auction method. Worked as front-end developer using Xcode and Swift.

BoardRecord – New Haven, Connecticut
- Class project; a web app providing a digital canvas for users to record sketches, playback, and edit.

Work Experience

Roku Inc – Saratoga, California: Web Security Software Intern   **June 2015 - August 2015**
- Worked as a software intern on Roku's Web Engineering team. Projects included implementing channel store search using AWS Cloud Search, migrating service platforms to local instances, and bug fixes for Roku's website. Projects utilized Node.js, React.js, SQL, and Amazon Web Services.

VMware Inc – Palo Alto, California   **May 2014 - August 2014**
- Worked as a software graphics designer/programmer focusing on user interface design of new "Levels" functionality. Project utilized Photoshop, HTML/CSS.

Yale Graphics Lab – Yale University: Lab assistant   **October 2013 – December 2013**
- Worked as the assistant to the Digital Photorealism professor, tested and debugged a 3-D modeling app. Designed 3-D example scenes and recorded video tutorials for the release of the application.

NASA Ames Research Center – Mountain View, California: Intern   **December 2011 – August 2012**
- Worked as the assistant to the Director of Operations focusing on base audits for safety protocols and operational practices. Data analysis responsibilities focused on base reports to confirm data accuracy.

Other Experience   **Nov 2007 - Present**
- Selected for the 2016 10XLIST; top women engineers. https://tenxlist.com/54ee39847ed211a86400003c
- Leadership: President of Float Yale 2014-16, Publicity Chair for TeamU at Yale, a marathon running club on Yale campus, 2013; Track & Field captain: Spring 2011 and 2012; Cross-Country captain: Fall 2011.
- Piano, 10 years; Running, Art, Family 3 brothers.

Education

Yale University   **Expected Graduation: 2016**
Bachelor of Science in Computer Science. Yale University, 2016.

Palo Alto Senior High School   **2009 - 2012**