Kristopher Skelton

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SKILLS

JavaScript	React	Webpack	Python	Git
HTML5 / CSS3	NodeJS	Gulp.js	Django / DRF	Jira
Sass / SCSS	Express	Babel	Flask	Heroku
TypeScript	MongoDB	Jest	Marshmallow	CI/CD

WORK EXPERIENCE

Arbor Lake Consulting, Owner   April 2018 - Present
Arbor Lake Consulting provides technical services and software development
- **Python** command line tools to automate manipulating photos for Instagram posts via Sendible
- **React** v16 web-app that takes the complications out of calculating board game scores
- **React** single page application for generating custom trackhubs for use in the UCSC genome browser

University of Washington, Instruction Assistant   June 2018 - August 2018
The School of Professional and Continuing Education provides non-traditional education opportunities
- Pair programmed and mentored students in learning foundations of **Python 3**: data types, loops, flow control, built-in methods, and external tools like **BeautifulSoup**
- Revised course materials to meet learning objectives

Sportsrocket, Software Engineer   August 2016 - April 2018
Sportsrocket provides streaming and on-demand video; I worked on customizing HTML5 video players
- Implemented updated **JavaScript** functionality and **HTML5 CSS3/SCSS** design of our front-end video player
- Implemented 360-video custom controls and layout with **three.js**
- Applied **JavaScript** and **CSS polyfills** to ensure that in-browser video experience was the same for Chrome and Firefox on OS X, Windows, iOS and Android, plus IE 8 -11 on Windows and Safari on OSX and iOS
- Engineering workflow includes **SCRUM**, **Kanban**, **JIRA**, **Gulp.js**, **Heroku**, **Git**
- Wrote client documentation for **VTT** (closed caption and subtitle) file formatting
- Streamed video to 40,000 monthly users and 3.5 million special event viewers

Institute for Systems Biology, Contract Engineer   Feb. 2016 - April 2016
ISB is a nonprofit biomedical research organization, founded in 2000 by systems biologist Leroy Hood

- Rebuilt public-facing web application with standards-compliant **HTML5**
- Implemented **ARIA** accessibility, **responsive** mobile support and **CSS3** media queries
- Refactored **AJAX** calls with **jQuery**
- **Designed** user interface, adhering to the organization's style guide

Code Fellows, Teaching Assistant   Nov. 2015 - Feb. 2016
Code Fellows is a Seattle-based, in-person coding academy
- Provided mentorship in object-oriented programming, data structures and algorithms, **DOM manipulation** and **DOM traversal**, **Git** version control
- Debugged and reviewed student projects in **HTML**, **CSS**, and **JavaScript**

VOLUNTEERING

Puget Sound Programming in Python (PuPPy)   Jan. 2019 to Present
       Co-Organizer for Interview Practice Night (IPN)
IPN is a weekly opportunity for PuPPy members to practice at a whiteboard, solving coding questions that come from sources such as Cracking the Coding Interview
- Ensure that there is a venue for each week's event, and that the host and on-site contact person have made at least one contact prior to the event. Each week IPN is held at one of eight different locations and is hosted by a volunteer PuPPy staffer.
- Prepared a rubric matching volunteers with their preferred location, and from that created the event schedule
- Ensure that the PuPPy Code of Conduct (as found at PSPython.com) is prominently displayed and that all attendees, volunteers and location staff adhere to the CoC.

PROJECTS

- A Minesweeper-style **p5.js** game in which players search for orcs, called Orc Sweeper.
- A virtual travel app that uses **APIs** from Flickr and WikiVoyage. Includes bxSlider (**jQuery** tool), and has **Firebase** as the user data store.
- A fully-featured **Python 3.6** blog deployed to **pythonanywhere** with a **Django**, **HTML** and **CSS** posting interface for authenticated users, as well as post editing.
- A full-stack web app to connect tabletop game players to one another. The front end is in **Angular.js**, **HTML** and **CSS**. The backend was built in **Node.js**, **Express** and **MongoDB**.

EDUCATION

Washington State University, Pullman, WA	**Code Fellows, Seattle, WA**
M.A. Applied History	Certificate: Full-Stack JavaScript
B.A. Humanities, summa cum laude	Certificate: Front-end Web Development
Certificate: Technical and Professional Writing	Certificate: Node.js

INTERESTS

- 3D modeling in Blender and Tinkercad for printing on CR-10S and Ender3 FDM printers
- D&D terrain building and model painting
- Donkey car racing (ML training RC cars to autonomously race)