Jonah Arlo Schwartz

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Skills

Technical
▷ Proficient in JavaScript/jQuery, HTML/HAML, CSS, Python, Git/Github

▷ Working knowledge of Ruby on Rails, templating with Mustache and Handlebars, D3, Chart.js, PHP, Ruby, bash, Unity, C#, C++, C, MatLab, Android development, and JIRA

Other Skills
▷ German (fluent, 2011 - 2015), Spanish (proficient, 2004 - 2011)

▷ Bicycle Mechanic, Slacklining, LaTeX, Mac OS, Linux, Windows, Social Media,

Employment

Software Engineer · Literably Inc, San Francisco CA   Oct 2017 - Present

Literably is a reading assesment used by K-7 teachers across the country. Schools get regular, accurate, rich information on their readers while saving weeks of instructional time relative to hand-scored assessments.

▷ Alignment Accuracy: Designed and developed a system which searches running records for misalignments between the transcript and the text, correcting the mistakes wherever it finds them.

▷ Reading Level Detector: Built a module which takes in rosters from schools and districts, detects the reading level system being used, and converts those levels to Literably's A-Z reading level system.

▷ School Usage Dashboard: Implemented and optimized an internal dashboard to show usage rates for schools and districts, and used this data to pinpoint schools which may need support or guidance to get the most out of Literably's services. This information is crucial to our customer success team.

Tech: Python, Django, PostgreSQL, Redis, git

Software Engineer · Freelance, Oakland CA   Nov 2016 - Sept 2017

Fixing, updating, and building new websites for companies and individuals around the Bay Area.

▷ Front End Development: Using HTML, CSS, JavaScript, PHP, Wordpress, and other languages and frameworks to modernize and update the interface used daily by clients, customers, and employees.

▷ Design: Contributing experience and expertise to the design process, working in teams and one-on-one with clients to make the most effective and user-friendly websites and web-apps.

Software Engineer · MyLikes, Inc., San Francisco CA   Oct 2015 - Aug 2016

MyLikes is a SOMA-based start-up which creates products advancing social advertising and social networking.

▷ Post Intelligence - Lead front-end development and assisted in design of a social media scheduling tool, which provides analytics and insights on post performance, and suggests targeted content for users to post. PostIntelligence.ai

▷ MyLikes Corporate Site - Rebuilt the loggedout website, assisted in the design and planning. MyLikes.com

▷ Friendlife Livestreaming - Added UI features for Livestreaming and Guest-Livestreaming to Friendlife, a platform for meeting new friends. FriendLife.com

Tech: JavaScript, jQuery, Python, HTML, CSS, MySQL, Bootstrap, PHP, git

Software Engineering Intern · Idibon, Inc., San Francisco CA   Jun - Aug 2015

Idibon's natural language processing services efficiently structure and organize language data, which can be used to answer critical business intelligence questions, automate processes, and obtain deeper insights.

▷ Idibon Public - Front End Development: Implemented a standalone Rails app to act as the download page for sentiment classifier Idibon Public. developers.idibon.com/downloads

▷ Idibon Studio - Front End Development: Worked on the Front End Engineering team in the ongoing process of designing and implementing Studio, the new version of Idiboard, which is used internally and externally to annotate documents and to access annotations and models. Implemented views and widgets on the Rails app.

▷ Learning Curve Visualization - Data Science: Visualized learning curves of Accuracy, Recall, Precision, and F-Score vs. number of annotations using D3 library. Ran cross-validation on the collections with increasing portions of the total annotations and parsed the results into a usable format. Graphs are displayed for each label in Idibon Studio.

Tech: Bootstrap, D3, Ruby on Rails, Ruby, HTML/HAML, JavaScript, Python, CSS, Github, JIRA

Sales and Administrative Assistant · Swrve Cycling Apparel, Los Angeles CA   Summers 2011 - 2013

Office and Accounting Assistant · Blackman Cruz Antiques and Furniture, Los Angeles CA   Summers 2009 - 2013

Education

Swarthmore College · Swarthmore PA   2011 - 2015

    3.4 GPA: B.A. in Computer Science, Minor in German Studies

Freie Universität Berlin · Berlin, Germany   Mar - Jul 2014

    3.6 GPA: Computer Science, German Language and Culture

Goethe Institut Munich · Munich, Germany   Feb 2014

    German B1.2 1-month intensive course

University of California, Los Angeles · Los Angeles, CA   Summer 2010, 2013

    3.7 GPA: Chemistry, Discrete Structures

Projects

YouTube Accessibility Awareness Project · EvoHaX Hackathon, Philadelphia PA   Apr 2015

EvoHaX hackathon tackles the challenges people with disabilities face accessing information on the web.

▷ Collaborated with Executive Director of the DeafHearing Communication Centre, Neil McDevitt to create a web app to spread awareness about accessibility of YouTube videos. Data acquired in real time from the Youtube API is displayed using the Chart.js library, showing the percentage of videos uploaded in a given date range that are captioned. Charts are available for all videos or specific categories.

▷ We also provide a tutorial for how to easily caption YouTube videos, and information about why captioning is important beyond accessibility. youtube-access.parseapp.com

Tech: D3, Chart.js, JavaScript, jQuery, HTML, CSS, SQL

Introduction to Dynamic Programming · Swarthmore College, Swarthmore PA   May 2015

▷ This website seeks to make a deep understanding of dynamic programming accessible to learners at any level. To do this, my partner and I created neatly-designed visualizations (using D3 graphics library) of how dynamic programming algorithms traverse search spaces and save data, Javascript implementations of algorithms, and articles explaining the algorithms and their visualizations. http://awjin.github.io/algos-js/

Tech: D3, HTML, JavaScript, Python, CSS, Ruby

Volunteer Experience

Co-Op Member · Spokeland Bicycle Co-Op, Oakland CA   2016 - Present

▷ Working with the public weekly, one-on-one, to teach bicycle maintenance and repair at this co-op. Duties include opening and closing the shop, operating POS, and providing a safe, welcoming, and hands-on space for community members to learn mechanical and maintenance skills, fix their own bikes, and earn-a-bike through volunteering.

"Cook" (elected co-op member) · The Bicycle Kitchen, Los Angeles CA   2007 - 2011

▷ Worked with the public weekly, one-on-one, to teach bicycle maintenance and repair at this nonprofit co-op

Assistant to Urban Strategy Director · Los Angeles County Bicycle Coalition   Sep 2010 - Jul 2011

▷ Planned and staffed advocacy and educational events, designed and distributed social outreach materials.

Extracurriculars

Radio DJ: Swarthmore WSRN Radio Station, 2011 - 2015 · **Co-Founder**: Swarthmore Graphic Novel Club, 2012 - 2014

Co-President, Treasurer: Swarthmore German Club, 2011 - 2015 · **Co-Founder**: Swarthmore Cycling Club, 2014 - 2015