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Monica Lent

Developer and Designer

Work Experience

SumUp

Senior Front-End Engineer

Dec 2014 – Present

- Developing merchant-facing Dashboard application with Angular and Require.js
- Skills and technologies: Angular.js.

Open Philology Project at Universität Leipzig

Interaction Designer

Aug 2013 – Nov 2014

- Wrote front-end for eLearning application, *AncientGeek*. Some of its components include:
 - Assisted reading environment (API-driven, responsive);
 - Annotation editors: 1) Parse tree editor and interactive game (uses d3.js, written as standalone library, incorporates testing with Mocha, PhantomJS, and Blanket); 2) Alignment editor (allows users to contribute translations and match words to primary source text, written as standalone library);
 - Lesson and learning task generator (chooses textual data for exercises based on morphosyntactical data, and pulls in localized content and learning exercises from the API);
 - Typing plugin that makes it easy to type in non-Roman languages with a standard keyboard (wrote sample configuration for Ancient Greek), with support for diacritics.
- Internationalized application on front and backend for both LTR and RTL languages.
- Automated development, deployment, and localization tasks using Fabric.
- Developed backend support for updating learning content, learning task configuration, and localizing the content and tasks, as well as an admin interface to these components using Django Suit.
- **Skills and technologies:** Backbone.js, Require.js, d3.js, Underscore.js, Django, Django Tastypie, Fabric, Postgres, Neo4j, Nginx, Uwsgi.

iPlant Collaborative

Technical Expert (Primarily Advisory Role)

Jul 2013 – Present

- Remained on staff after moving to Germany. Created prototypes for Troposphere, the user interface to iPlant's cloud, which were implemented by my successor.
- Designed mockups submitted in a successful grant proposal to expand Atmosphere to more science fields.

User Experience Developer

May 2012 – Jul 2013

- Designed and implemented responsive user interface for iPlant's cloud service, Atmosphere, using Backbone.js. Interface received overwhelmingly positive reviews for its design and usability, and became project's most widely-used service.
- Led project-wide effort to evaluate usability of existing applications; advocated for and assisted in implementing improvements, considering information architecture, user-application interaction, and visual aesthetics. Sought out and incorporated feedback from user community of scientists to continuously improve usability and user experience.
- **Skills and technologies:** jQuery, Backbone.js, Underscore.js.

Student Designer & Developer

Jan 2010 – May 2012

- Designed and developed user management web application for internal use.
- Designed posters, brochures, fliers, infographics, presentation templates, and explanatory models.
- Created UI prototypes, and coded cross-browser compatible, standards-compliant web applications, as well as the design elements, logos, and icons needed for their implementations.
- **Skills and technologies:** PHP, MySQL, YUI, CAS integration.

Education

University of Arizona

Tucson, AZ, USA

Aug 2008 – May 2012

B.A. Classics, Computer Science minor, *cum laude*

- Academic Achievements: Wildcat Excellence Award (Academic scholarship, 2008-2012), Sallie Mae Scholarship Essay Winner (2009), placed in National Greek Exam (2011).
- Extracurricular: Member of Eta Sigma Phi, the National Classics Honorarium (2011-2012). Also a member of Classics Club (2011-2012).
- Languages studied (semesters): Latin (7), Ancient Greek (4), French (3), Japanese (2)
- Computer Science subjects taken: Java, Python, C, Unix, computer architecture, object-oriented programming and design, web programming.

Presentations

Digital Classicist Berlin

Dec 2013

Co-presented at seminar on user experience for historical languages eLearning.

University of Arizona IT Summit

Jul 2013

Co-presented on user experience design and front end development for Atmosphere, the iPlant Collaborative's cloud platform for scientists.

Design and Technical Skills

Languages: JavaScript, Python, SQL (PostgreSQL, MySQL), HTML(5), CSS(3)

Programs: Adobe Illustrator, Photoshop, InDesign

Technologies: Comfortable with Linux, Git, Vim, and server-side development in general. Extensive professional experience with Backbone.js, Underscore.js, d3.js, Require.js, Sass, Grunt. Moderate professional experience with Node, Mocha, PhantomJS, Django, Django TastyPie (REST API), Fabric, Neo4j, Nginx, and UWSGI. Comfortable switching between front- and backend, and debugging the full technical stack.

Languages

English (native — US Citizen), German (conversational).

Online Presence

Portfolio: <http://monicalent.com>

Technical Blog: <http://monicalent.com/blog>

Github: <https://github.com/mlent>

References

Available upon request.