S. Scott **Schupbach**

San Francisco, CA • **PHONE** (512) 638-7024 • **E-MAIL** ssschupbach@gmail.com

WORK HISTORY

Web Developer

Denali Adventure Tours (Summers 2010 - 2015)

- ➔ Built administrative tour reservation system with PHP and MySQL (over 5,000 tours booked), including sales report generation and dashboard, as well as user-facing informational site
- ➔ Automated online reservations to decrease daily workload and increase off-season sales
- ➔ Wrote the foundation to move to a Rails back end, a Backbone.js front end, and a more optimized database structure

Teaching Assistant in Linguistics and ESL

University of California, Santa Barbara (2013 - 2014), University of Montana (2011 - 2013)

- ➔ Researched, designed, and implemented curricula for four ESL courses and collaboratively developed curricula focused on practical application of lecture content for three linguistics courses
- ➔ Received excellent end-of-course evaluations from all classes

PROJECTS

Stargate: Planetary Defense *(JavaScript, HTML5/CSS3)* | live | github

Reimagined classic arcade-style game created with HTML5 Canvas

- ➔ Implemented custom key handler to allow for multiple simultaneous key events
- ➔ Included several difficulty levels and game lengths for variability of game play

PuddleJumper *(Rails, Backbone)* | live | github

Stargate travel search engine, inspired by kayak.com

- ➔ Wrote sophisticated search service for single-hop graph traversal
- ➔ Optimized bandwidth by processing permutations and reassembling the graph on the front end
- ➔ Utilized local storage to save prior search parameters and primary traveler info for future searches

EDUCATION

Web Development Program - *App Academy, Spring 2015*

- ➔ Immersive course with focus on full-stack web development, pair-programming, and agile methodologies
- ➔ Strong emphasis on code quality, best practices, common algorithms, and design patterns
- ➔ Acceptance rate <5%

Coursework towards a PhD Linguistics - *University of California, Santa Barbara (left in good standing)*

- ➔ Investigated issues of linguistic complexity from corpus and computational linguistic viewpoints using Python and R to analyze data and visualize results (working paper on Academia.edu)
- ➔ Co-founding member of Wugbot, an extracurricular student group devoted to exploring computational approaches to solving linguistic problems

MA Linguistics - *University of Montana, 2013 (GPA 4.0)*

- ➔ Thesis: The Blackfoot demonstrative system: function, form, and meaning

BA Classics - *Grand Valley State University, 2010 (GPA 3.975)*

- ➔ Recipient of the Department Award, given to one student each year for academic excellence

SKILLS

Core skills: Ruby, Rails, JavaScript, SQL, HTML, CSS, jQuery, Backbone.js, git
Also experienced with: Python, R, PHP, TDD/BDD, RSpec, Jasmine