

# S. Scott Schupbach

San Francisco, CA • **CELL** (512) 638-7024 • **E-MAIL** [ssschupbach@gmail.com](mailto:ssschupbach@gmail.com)

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## PROJECTS

**PuddleJumper** (*Rails, Backbone*) | [live](#) | [github](#)

*A kayak flight search clone for Stargate travel*

- Wrote backend **search service** to parse and perform JSON-formatted search queries
- Handled search requests so as to minimize data transfer between server and client and distribute processing tasks to both server and client
- Made use of Rails' `accepts_nested_attributes_for` method in conjunction with `find_or_initialize` to **add new and existing travelers** simultaneously

**Stargate: Asteroid Assault** (*JavaScript, HTML5*) | [live](#) | [github](#)

*Asteroids-style game utilizing HTML5 Canvas element*

- Provided a catalyst for exploring HTML5 Canvas functionality
- Implemented **custom key handler** to process multiple simultaneous key events
- Features four difficulty levels and four durations for game variability

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## SKILLS

**Ruby, Rails, SQL, HTML, CSS, Javascript, jQuery, Backbone.js, Python, R, PHP, git**

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## JOB HISTORY

**Owner, Web Developer, Sales**

*Denali Adventure Tours (Summers 2010 - 2015)*

- Increased company profits by 20% in first year of ownership through digitalization of reservation system, establishment of online presence, and targeted advertising
- Taught myself PHP and MySQL in order to design **multi-page site** to convey company offerings to customers, create and store tour reservations, and generate a variety of sales reports
- Currently doing contract work for the new owner redoing this site with a Rails back-end/Backbone front-end and adding automated online reservations and reservation confirmation mailers

**Teaching Assistant in Linguistics and ESL**

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

- Researched, designed, and implemented my own curriculum for four ESL courses and collaboratively developed curricula focused on application of material for three linguistics courses
- Received excellent end of course evaluations from all classes
- Frequently met with struggling students outside of office hours to develop strategies for success

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## EDUCATION

**Web Development Program** - *App Academy, Spring 2015*

- Immersive course with focus on full-stack web development and agile methodologies
- Strong emphasis on code quality 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 here](#))

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

- Thesis: [The Blackfoot demonstrative system: function, form, and meaning](#)

**BA Classics; Classical Languages emphasis** - *Grand Valley State University, 2010 (GPA 3.975)*

**PORTFOLIO** [www.scottschupbach.com](http://www.scottschupbach.com) • **GITHUB** <https://github.com/scottyschup>

**LINKEDIN** <https://www.linkedin.com/in/scottschupbach> • **ACADEMIA.EDU** [independent.academia.edu/SScottSchupbach](http://independent.academia.edu/SScottSchupbach)