S. Scott **Schupbach**

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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

SKILLS

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

JOB HISTORY

Owner, Sales, Accounting
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

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)*