

S. Scott Schupbach

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(revised 6/6/20)

WORK HISTORY

Associate Engineer, Frontend Enablement team lead

Amount (formerly part of Avant; July 2017 - present)

- Overhauled large portions of AngularJS app to improve platform scalability and stability
- Transitioned Rails app from Bootstrap to internal CSS library and custom AngularJS components
- Created road map for migration of core app from AngularJS to React/Typescript/GraphQL
- Led development of Angular to React proof-of-concept; obtained buy-in from Frontend leadership
- Brought all customer- and business-facing UIs into WCAG compliance (currently in-progress)

Sr. Software Engineer, Analytics front end lead

Aspera, an IBM Company (July 2015 - July 2017)

- Architected a new analytics platform consisting of an Angular/D3 UI, a Go/Glow big data processing app, an auto-scaling Redis cluster, and a Rails API server
- Developed the Rails API server which facilitates communication between the various components, queues background jobs, and retrieves processed data from the Redis cluster
- Built majority of the Angular modules pertaining to layout, site navigation, and basic UI, guided by a desire for an intuitive and aesthetically pleasing UX

Web Developer, Owner

Denali Adventure Tours (Summers 2010 - 2015)

- Designed, built, and maintained complete tour reservation system with PHP and MySQL, including sales report generation and dashboard, as well as user-facing tour information site
- Automated online reservations to decrease daily workload and increase off-season sales

VOLUNTEER WORK

Midwest Access Coalition | [site](#) | [github](#)

Volunteer software engineer (January 2018 - present)

- Added "Quick Exit" and browser history override features to help ensure client privacy and safety
- Core contributor on redesign of the organization's primary informational site built with Jekyll
- Assisted in Netlify integration, enabling non-technical org leadership to maintain site content
- Delivered key UI features/bugfixes for open source funds management and accounting app

RailsBridge | [site](#) | [github](#)

TA, Teacher, Event Organizer, Open-source contributor (May 2015 - June 2017, January-February 2020)

- Wrote algorithm for predicting number of event attendees based on prior attendance
- Taught students foundational concepts of Ruby on Rails apps and frontend design
- Planned, organized, and ran several events at various locations around SF Bay Area/Chicago

SKILLS

Core languages: Ruby, JavaScript/TypeScript, SQL, Redis, HTML, CSS/SASS, bash/zsh

Core frameworks/tools: Rails, AngularJS, React, Webpack, jQuery, Jekyll, Gatsby, git

EDUCATION

Coursework towards a PhD Linguistics - University of California, Santa Barbara

- Investigated issues of linguistic complexity from corpus and computational linguistic viewpoints using Python and R to analyze data and visualize results ([link to working paper](#))

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

- Explored uses of technology in empowering Blackfeet community to revive their native language
- Thesis: [The Blackfoot demonstrative system: function, form, and meaning](#)

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

- Received the "Sophia Award for Excellence in Classical Languages" (2009-10) and the Classics department's "Department Award" (2010-11), both given to one student each academic year

PORTFOLIO [scottschupbach.com](#) • **GITHUB** [github.com/scottyschup](#) (personal) [github.com/scottschup](#) (work)

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