San Francisco, CA
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David Rosson

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Skills

JavaScript, Ajax, Promises/A+, jQuery, Node, Express, REST, RDBMS, MongoDB, Backbone, Angular

TDD, Build Tools, Team Git, Socket.io, API Integration, OAuth, D3, Bash, Docker, Python, Web Scraping

Recent Projects

FerdX　　*One-click integration for extensible Slack bots* — ferdx.io　　Product Lead, Full-Stack Engineer
- Engineered modular bot logic powered by Node to offer beautifully structured information in Slack channels
- Applied functional & reactive patterns using RxJS to process intermittent streams of asynchronous web events
- Leveraged npm's ecosystem to cultivate a developer community for sharing and expanding bot capabilities
- Launched dashboard interface built on Angular enabling Slack users to easily customize extension modules

Slideshow　　*Vocabulary learning app with audio* — de.sayberlin.com　　Product Designer, Full-Stack Engineer
- Architected single-page app with Backbone following clean engineering patterns for structuring UI components
- Furnished backend API using Express and SQLite data store, with audio resources loaded from asset servers

Foxy　　*Real-time, multi-player arcade game operated via mobile devices*　　Architect, Backend Engineer
- Prototyped a gaming platform with Node and Socket.io, allowing real-time interaction between mobile devices

M.I.M.O.　　*Web and mobile app for managing and visualizing startup financial models*　　Full-Stack Engineer
- Extended inherited code base; leveraged LoopBack, Angular, and Ionic to enhance usability and portability

Typist　　*Typing game with audio* — typist.firebaseapp.com　　Product Designer, Full-Stack Engineer
- Utilized jQuery and SoundManager to create an engaging user experience with interactive audio-visual effects

Finn　　*Finnish-English dictionary with instant search* — fi.sayberlin.com　　Full-Stack Engineer
- Sourced and re-structured lexical data using Python libraries and abstracted the MongoDB layer as a service
- Implemented fast, responsive interface with Angular and Express to display instant results as the user types

Experience

2013-2015	**Child Language Lab**, *Macquarie University* — Leading research center in linguistics	

Worked on research analyzing speech data with the set of technologies that powers Apple's Siri
Gained extensive insight on research design and projects with a strong focus on data analysis

2012-2013　**Motvind, Inc.**, *A Delaware Corporation* — A self-funded startup in the online learning space
Led remote engineering team using Agile tools and developed products for web-based learning
Acquired in-depth knowledge of product design, customer development, and Lean practices

2010-2012　**Southern Water**, *Tasmania* — Regulated utility, 800+ employees, $2 billion in assets
Conducted engineering review of building & planning proposals in relation to water supply
Coordinated with customers, engineers, and contractors on residential & commercial projects
Helped improve revenue by fast-tracking infrastructure pricing calculations for utility assets

Education

2015　**Hack Reactor,** *San Francisco* — Advanced Software Engineering Workshops

2012-2015　**Macquarie University**, *Sydney, Australia* — Bachelor of Science (Speech and Hearing)
🌐 Scholarship for Academic Achievement 🔍 Child Language Lab, Australian Hearing Hub

2013-2014　**University of Jyväskylä**, *Central Finland* — Exchange Program, Erasmus Student Network

2008-2009　**Tasmanian Polytechnic**, *Hobart, Australia* — Advanced Diploma of Engineering Design
🌐 Best Graduate in Engineering 2009 (Engineers Australia Award)

Personal Interests

Linguistics, Teleportation *(fig.)*, Neurogenesis, Cognition, VR, AI, Futurology, Livability, Architecture, Design, Puppies