Paul Oliva

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SKILLS					
	JavaScript	jQuery	React	HTML5	CSS
	Ruby	Rails	SQL	Redux	Git
	Java	C++	QT	Linux	Photoshop

EXPERIENCE

Independent Web Developer — 2014-2016
- Technology consulting and web development for successful political campaigns, nonprofits, and small businesses in Anchorage, Alaska. (*HTML5, CSS, PHP, JavaScript*)

Engineering Intern - State of Alaska — 2015-2016
- Spearheaded a full redesign of program webpage, incorporating user and management input to provide a streamlined user experience.
- Administered a grants and loans program with a $20 million annual budget.

Java/C++ Tutor - University of Alaska-Anchorage — 2015-2016
- Collaborated with other top students to develop and implement a supplemental curriculum for over 100 students enrolled in Programming I and Programming II courses.

PROJECTS

CloudSounds (Rails, React/Redux) | live | github
Single-page music app w/ React front end, Rails/Postgres backend
- Utilizes geolocation and external weather API to retrieve weather data and serve songs matching the mood of the day's weather.
- Custom Audio.js fork allows for React integration, adds increased functionality such as ability to skip forward/back and adjust/mute volume from within audio controls.
- Utilizes WaveSurfer.js library's off-label backend methods to store waveform visualization data in the database for optimized rendering

Pol.js (JavaScript, HTML5) | live | github
Open source drop-in library for rendering political poll data to HTML
- Retrieves RealClearPolitics polling data by making AJAX request with JSONP callback to provide a synthetic API.
- Provides public methods to cleanly render data to HTML as text or HTML5 canvas chart for maximal ease of use.

Alaska Politician Rater (Ruby on Rails) | live | github
Fun, engaging Rails app that records user ratings to score local politicians
- Authenticates with OAuth, requiring Facebook login to cut down on multiple accounts.
- Scoring algorithm records ratings and updates scores in real time.
- Over 150 registered users and 7,000 ratings recorded in first month after release.

EDUCATION

App Academy - Web Development — 2016
- Rigorous 1000-hour web development course with < 3 % acceptance rate.
- Topics include: Rails, React, TDD, scalability, algorithms, OOP, coding style, single-page apps, and web development best practices.

University of Alaska - Computer Engineering - *3.9 GPA* — 2014-2016
- Coursework included Java/C++ programming, data structures, algorithms, hardware concepts and assembly language, calculus, statistics, discrete math.

University of Kentucky - B.S., Economics — 2005-2010

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