Will **Livengood**

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PORTFOLIO wlivengood.com

SKILLS

Proficient in: JavaScript (ES 2015), Python, SQL, HTML5, CSS, OOP, Functional Programming, Node.js, Express, Sequelize, PostgreSQL, Angular, jQuery, Babel, Git
Experience with: C, Java, Agile, TDD, responsive design, artificial intelligence, Mocha/Chai/Sinon, Jest, MySQL, Gulp, Ionic, Lodash, Bootstrap, Jira, Trello

PROJECTS

Winston (github.com/wlivengood/Winston | wlivengood.com/Winston)
Chess engine and user interface written in JavaScript. Uses bitboards for board representation and minimax with alpha-beta pruning and quiescence search for AI. Technologies used: Node.js, Babel, Webpack, jQuery.

Chip-8.js (github.com/wlivengood/chip8-js | chip8js.herokuapp.com)
In-browser interpreter for the CHIP-8 language written in JavaScript. Technologies used: Node.js, Babel, Webpack.

ParkHere (github.com/wlivengood/parkhere | parkhereapp.com)
Hybrid mobile application that helps users find public or garage parking in NYC, plus a marketplace for private parking spots. Technologies used: Node.js, Express, PosgreSQL (with PostGIS extension), Ionic, GoogleMaps API.

markov-twitter (github.com/wlivengood/markov-twitter | markovtwitter.herokuapp.com)
Web application that uses Markov chains to process a user's Twitter timeline and generate superficially similar tweets. Created for Fullstack Academy's Stackathon.

Grace Shopper
(github.com/wlivengood/Grace_Shopper | grace-hopper-wkt.herokuapp.com)
Platform for creating/managing an e-commerce site. Technologies used: PostgreSQL, Sequelize, Express, Node.js, Angular, Passport.js, Mocha/Chai/Sinon.

Max4 (github.com/wlivengood/Max4)
Cheeky Python script that enforces 4 characters per line of code.

op-overload (github.com/wlivengood/babel-plugin-op-overload)
Babel plugin and npm package for Python-style operator overloading in JavaScript.

wlivengood.com (github.com/wlivengood/wlivengood.github.io| wlivengood.com)
Portfolio page. Technologies used: jQuery, responsive design.

EDUCATION

Fullstack Academy *(June 2016 – January 2017)*
Six-month flex-immersive software development bootcamp.

Princeton University *(September 2007 – May 2011)*
AB in Philosophy, Certificates in Values & Public Life, Music Performance.

EXPERIENCE

TitleVest, a First American company
Due Diligence Supervisor (October 2013 – May 2017)
Oversee Coop/Condo Due Diligence Service. Manage internal technical projects using Jira as part of Tech Users Committee. Automated email and report-generation tasks with Python.

Quality Control Specialist (June 2012 – October 2013)
Contributed to design and implementation of quality control procedures/materials that reduced errors by over 20%.