Julian Rosenblum

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Employment

- ❖ MongoDB, Inc. – Software Engineering Intern (Summer, 2015)
- ❖ KeyMe, Inc. – Software Engineering Intern (Summer, 2014)
- ❖ Columbia University (work done while in high school)
    - o TA for COMS W4115 Programming Languages and Translators (Fall, 2013)
    - o Graduate-level research, static analysis of Haskell programs to optimize memory management of lists (2013-2014)

Selected Programming Projects

- ❖ **FLYTRAP** *(as an intern at MongoDB)*
    - o Server to collect, process, and display crash reports produced by Google Breakpad
    - o node.js, Express, Mocha, Jade, MongoDB, Bootstrap, AWS (Elastic Beanstalk, Lambda)
- ❖ **SHARP11**
    - o Music theorization and improvisation engine (node.js)
    - o Analyzes chords, creates scales, improvises over jazz chords and produces MIDI output
- ❖ **MONQUEY**
    - o The No}}}); MongoDB Shell Syntax (compiler written in Haskell)
    - o A custom designed, easier to read syntax for the MongoDB shell, transpiles to JavaScript
- ❖ **FRESHSTART**
    - o Anonymous social-networking site for my high school (node.js, Express, MySQL)
    - o Over 500 registered users, over 150,000 messages sent
- ❖ **TETREWELED**
    - o Original game combining elements from Tetris and Bejeweled (HTML5)
- ❖ **SUMTYPE.JS**
    - o Implementation of Haskell style sum types (tagged unions) in JavaScript
- ❖ **REALLY AWESOME DATA LANGUAGE (RADL)**
    - o Data storage language combining JSON and XML features, translators written in Python

Programming Languages

JavaScript, Python, HTML/CSS, PHP, SQL, C, Haskell, OCaml, Ruby/Rails, Java

Education

- ❖ Yale University, Class of 2018 – 3.97 GPA
- ❖ Hunter College High School, Class of 2014 – Computer Science Award