

Evan Hubinger

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| CONTACT INFORMATION | evanjhub@gmail.com https://github.com/evhub (925) 240-3826 | 340 E. Foothill Boulevard Box 409 Claremont, CA 91711 | |
| EDUCATION | Harvey Mudd College, Claremont, CA B.S. in Mathematics and Computer Science The College Preparatory School, Oakland, CA | Expected Graduation: May 2019 GPA: 3.7 (Dean's List) Graduated: May 2015 | |
| PROGRAMMING LANGUAGES | Expert Python, Coconut | Proficient Haskell, C++, JavaScript, CoffeeScript, MATLAB | Knowledgeable R, Java, Mathematica |
| SUMMARY | Three summers of professional software engineering experience, one at Yelp and two at Ripple. Created two major open-source projects, the Coconut programming language and Undebt, which together have over 2,000 stars on GitHub. Studying mathematics and computer science at Harvey Mudd College. | | |
| WORK EXPERIENCE | Software Engineering Intern Yelp, San Francisco, CA June - August 2016 • Primary author of Undebt, an open-source static code analysis tool for massive automated code refactoring with over 1,300 stars on GitHub. • Wrote a blog post on Undebt (link below), which proved to be Yelp's most popular blog post to date and was featured on the front page of Hacker News. https://engineeringblog.yelp.com/2016/08/undebt-how-we-refactored-3-million-lines-of-code.html • Fixed errors in Yelp's configuration management that had previously taken down yelp.com multiple times. • Rewrote Yelp's system for running large batch data processing operations with EMR. Software Engineering Intern Ripple, San Francisco, CA June - August 2014; June - August 2015 • Worked on designing Interledger, a trustless system for cross-currency transactions between arbitrary agents. • Wrote a tool to do cryptographically secure generation of wallets for financial institutions. • Developed a program to manage Ripple's GitHub infrastructure. | | |
| PERSONAL PROJECTS | The Coconut Programming Language http://coconut-lang.org October 2014 - Present Created the Coconut programming language, a novel functional programming language that compiles to Python. Coconut has been viewed over 35,000 times, has collected over 700 stars on GitHub, has been shown on the front page of Hacker News, r/Python, and r/Programming, has been featured on InfoWorld.com and Pointer.io, and has a regular, dedicated 45-person meetup in NYC. See Coconut's website (link above) for more information. Iterated Recursive Prisoner's Dilemma Simulator https://github.com/evhub/prisoner April 2015 Developed a library for performing and competing in iterated prisoner's dilemma competitions in which the competing programs can simulate the opposing programs. Written in Coconut. | | |
| OPEN SOURCE CONTRIBUTIONS | The Python Programming Language Minor unittest and documentation improvements. Jupyter (IPython) Fixed an issue that broke custom syntax highlighting. StaticConf Improved resiliency in the event of missing data. PyParsing Fixed numerous issues including Unicode support and PyPy compatibility. RippleD Significant improvements to the compilation/build process. | | |
| RELEVANT COURSES | Independent Study in Computer Science • Working directly with Prof. Chris Stone on Coconut development and research. Image Processing and Object Recognition Advanced Differential Equations and Linear Algebra Discrete Mathematics Data Structures and Program Development | | |
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