

Evan Hubinger

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: 3.856 (Dean's List) Graduated: May 2015	
PROGRAMMING LANGUAGES	Expert Python, Coconut	Proficient Go, JavaScript, C++, Haskell, Cython	Knowledgeable R, Java, MATLAB, Mathematica
SUMMARY	Four summers of professional software engineering experience at Google, Yelp, and Ripple. Author of Undebt and the Coconut programming language, which together have over 2,500 stars on GitHub. Presented on Coconut at PyCon 2017 and was interviewed on Coconut for TalkPython, Podcast.__init__, and Functional Geekery. Dean's list student majoring in mathematics and computer science at Harvey Mudd College.		
WORK EXPERIENCE	Site Reliability Engineering Intern Google, Mountain View, CA May – August 2017 <ul style="list-style-type: none">• Worked as a Launch Coordination Engineer (LCE) developing the software Google uses to perform production readiness reviews of new product launches.• Revamped the custom Domain Specific Language used by LCEs to automate production readiness reviews. Computer Science Grader and Tutor Harvey Mudd College, Claremont, CA January – May 2016; September 2016 – May 2017 <ul style="list-style-type: none">• Graded and tutored Data Structures and Program Development, Principles and Practices of Computer Science, and Computer Science for Insight. Software Engineering Intern Yelp, San Francisco, CA June – August 2016 <ul style="list-style-type: none">• Primary author of Undebt, an open-source static code analysis tool for massive automated code refactoring with over 1,400 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.• Rewrote Yelp's system for running large data processing operations in Elastic Map Reduce. Software Engineering Intern Ripple, San Francisco, CA June – August 2014; June – August 2015 <ul style="list-style-type: none">• 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.• Contributed significant improvements to the compilation/build process of the open-source RippleD project.		
PERSONAL PROJECTS	The Coconut Programming Language http://coconut-lang.org October 2014 – Present <ul style="list-style-type: none">• Created the Coconut programming language, a novel functional programming language that compiles to any Python version. Supports pattern-matching, algebraic data types, TRE/TCO, and much more.• Coconut has been viewed over 50,000 times; has over 1,100 stars on GitHub; has been shown on the front page of Hacker News, r/Python, and r/Programming; and has been featured on InfoWorld.com and Pointer.io.• Presented on Coconut at PyCon 2017 (see https://us.pycon.org/2017/schedule/presentation/56).• Was interviewed on Coconut for TalkPython, Podcast.__init__, and Functional Geekery. cPyparsing https://github.com/evhub/cpyparsing July 2017 Reimplemented PyParsing in Cython to achieve ≈ 30% better performance for Coconut and Undebt.		

