

BENJAMIN GREENMAN

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EDUCATION

Cornell University
Master of Engineering, Computer Science

Expected May 2014

Cornell University
Bachelor of Science, GPA 3.47

2010 – 2013

Hudson Valley Community College
GPA 3.78
Phi Theta Kappa National Honor Society

2009 – 2010

EXPERIENCE

Research Assistant, Cornell University

Summer 2013 – Present
Ithaca, NY

Worked with Professor Ross Tate to determine the feasibility of a new construct for object-oriented languages. Analyzed the inheritance hierarchy of over 2 million of lines of Java code across over 30 open source projects to analyze existing practice and assess the work needed to implement the redesign.

Software Engineer, Rentenna Inc.

Summer 2012 – Present
New York, NY

Implemented REST-ful api for growing startup. Wrote an extensive library of HTML and XML crawlers. Designed caching abstraction to enrich local database with dynamic external resources. Published user-facing web page features and modules. Gained experience with unit-testing frameworks and a branching Git model.

Teaching Assistant, Cornell University

Spring 2012 – Present
Ithaca, NY

Introduced undergraduate students to functional programming. Designed and released both assignments and exam questions. Wrote test harness framework for the OCaml language, tailored it to suit our need for automatic grading. Interacted extensively with students in one-on-one and classroom settings. Helped manage a staff of approximately 20 teaching assistants.

PUBLICATIONS

Getting F-Bounded Polymorphism Back Into Shape
Benjamin Lee Greenman, Fabian Muelboeck, Ross Tate

to appear in PLDI 2014

QUALIFICATIONS

Programming Languages: Python, OCaml, SQL, Coffeescript, Sass, Java, Haskell

Libraries and Tools: Emacs, GIMP, Git, L^AT_EX, MongoDB, Scrappy, SQLAlchemy, XPath

Other: 35 video game world records, 3rd place Pennsylvania State Birling championship