Matthew Gambogi

CONTACT

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312 Pathway Pl SW
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EDUCATION

Rochester Institute of Technology - Rochester, NY
B.S. Computer Science, Economics

2012 - 2017 (Expected)

WORK EXPERIENCE

Intuit - San Diego, CA
Software Engineer Intern

January - August 2015
http://turbotax.intuit.com

Established modern build system for Python projects within the TurboTax Data Science and Analytics group using maven, jenkins, git, pip, and wheels. Contributed to design of targeted experimentation and personalization algorithm. Created lightweight DSL in Python for describing offline and online data processing pipelines for Data Scientists. Worked on realtime alerting system in Python.

Janssen Pharmaceutical - Remote
Software Engineer Intern

Fall 2014, Fall 2015 - Present
http://janssen.com

Used Haskell and 4store (graph database) to analyze material flow through a pharmaceutical recipie. Part-time.

athenahealth - Boston, MA
Software Engineer Intern

Summer 2014
http://athenahealth.com

Member of the Security Development team. Engineered automated cross-site scripting (XSS) vulnerability detection system. Specifically targeted a large Perl web application. OracleSQL was used for database support and Perforce was used for version control.

Kaprica Security - Reston, VA
Software Engineer Intern

Summer 2013
http://kapricasecurity.com

Developed Python web application using Flask, SQLAlchemy backed by PostgreSQL. Worked on frontend, backend. Also contacted suppliers for potential hardware obfuscation solutions.

SecureIT - Reston, VA
Cyber Ninja (Research Intern)

Summer 2012
http://secureit.com

Studied, tested, and developed exploitation and exploit prevention techniques. Worked on DARPA contracts. Tested on an experimental (now patented) Control Flow Integrity system. Investiged a potential side channel attack vector in the Android keyboard process.

TECHNICAL SKILLS

Languages Python, C, Java, Haskell, OCaml, Lisp, Perl, MIPS, HTML/CSS
Tools gdb, git, Perforce, OracleSQL, postgreSQL, VerticaSQL, vim, Eclipse, LaTeX

PERSONAL PROJECTS

CSH Evals
Working with a small team of peers on a Haskell web application and API for automating large portions of the Computer Science House's evaluations process, member database.

Typed Languge Evaluator (TyLE)
Toy simply typed lambda calculus interpreter in Haskell. Self-taught type theory, parser combinators.

EXTRACURRICULAR

Computer Science House (CSH)
Active Member, History Director Fall 2014

http://csh.rit.edu/
2012 - Present

A student run technical organization, emphasizing technical projects and group learning.