

Currently, I am a graduate student studying Atmospheric Chemistry and Physics, in the lab of Professor Jesse Kroll at MIT. My research is focused on developing, low-cost instruments for volatile organic compounds. Outside of the lab, I work as a software engineer primarily in the areas of scientific computing and data acquisition.

SKILLS

HARDWARE ARDUINO RASPBERRY PI UPVERTER

WEB JAVASCRIPT LAMP MVC REST PYTHON FLASK PHP

JAVASCRIPT NODE.JS BOOTSTRAP JQUERY

DATABASE MYSQL ORM SQLITE3

CLOUD AWS EC2 DO S3

PROJECT GITHUB

EMPLOYMENT

Graduate Fellow, Tata Center for Technology and Design

2014-09 — Present

Development team manager for [Quantum Diorama](#), a distributed molecular modeling and analysis suite for Linux and OS X.

- Managed a 5-person development team
- Accomplishment 2
- Etc.

Agile PM C C++ R OpenGL Boost MySQL PostgreSQL JIRA

Principal Developer, Veridian Dynamics

2011-07 — 2013-08

Developer on numerous projects culminating in technical lead role for the [Jabberwocky project](#) and promotion to principal developer.

- Managed a 5-person development team
- Accomplishment 2
- Etc.

C++ C Linux R Clojure

IT Administrator, Stark Industries

2008-10 — 2011-06

Junior programmer with heavy code responsibilities. Promoted to intermediate role after 6 months.

- Promoted to intermediate developer after 6 months
- Accomplishment 2
- Etc.

Novell Active Directory Linux Windows

Intern, Dunder Mifflin

2008-06 — 2008-09

Performed IT administration and deployments for Dunder Mifflin.

- Supervised roll-out of Dunder Mifflin Infinity website.
- Performed mission-critical system backups and
- Etc.

Novell Active Directory Linux Windows

EDUCATION

PhD, Massachusetts Institute of Technology

2014-09 — Present

Atmospheric Chemistry and Physics student in the lab of Professor Jesse Kroll.
Atmospheric Chemistry Aquatic Chemistry Chemical Kinetics

BS, Washington University in St. Louis

2011-09 — 2013-05

A multiline summary of the education.
Course 1 Course 2 Course 2

BA, Hendrix College

2006-09 — 2011-05

A multiline summary of the education.
Course 1 Course 2 Course 2

SAMPLES

Examiner Watchdog

2015-01

A database and analysis of all USPTO examiners.

Tata Center Air Quality Project

2016-01

Distributed low-cost air quality sensing.

WRITING

Building User Interfaces with Electron and Atom, Code Project

2011

Jane Fullstacker's Blog, self

2011

Teach Yourself GORFF in 21 Days, Amazon

2008

A primer on the programming language of GORFF, whose for loops are coterminous with all of time and space.

RECOGNITION

William Cunningham Award, AIChE

2014

Summa cum laude, Cornell University

2012