

Dominick Twitty

dktwitty@gmail.com | 860.449.3465

EDUCATION

CORNELL UNIVERSITY

BS IN COMPUTER SCIENCE

College of Engineering

Expected May 2015 | Ithaca, NY

Cum. GPA: 3.55

ROBERT FITCH HIGH

Grad. June 2011 | Groton, CT

COURSEWORK

GRADUATE

Cloud Computing

Compilers + Practicum

Reasoning about Knowledge (current)

UNDERGRADUATE

Algorithms (+ Teaching Asst)

Machine Learning

Operating Systems

Functional Programming

Programming Languages

Computer Vision

Natural Language Processing

Mathematical Modelling

Abstract Algebra

Number Theory Data Structures

Systems Programming

Networks

Numerical Analysis (current)

EXPERIENCE

GOOGLE | SOFTWARE ENGINEERING INTERN

June 2014 – Aug 2014 | San Bruno, CA

Languages: C++ | Python

- Built system to detect and skip non-music sections of music videos
- Created application to allow others to help train the system
- Designed back-end systems for productionization and validation
- All work reviewed and expected to enter production

SENTRANA | SOFTWARE ENGINEERING INTERN

June 2013 – Aug 2013 | Washington, DC

Languages: Node.js | C#

- Designed and executed viability tests for different sharded databases
- Built an inference tool in Node.js to guess optimal data visualization
- Designed a domain-specific Grammar-of-Graphics implementation

TAGGPIC | SOFTWARE ENGINEERING INTERN

May 2012 – Dec 2012 | Ithaca, NY

Languages: Python

- Helped port a large computer vision tool to a cloud-based architecture
- Designed queue system between front- and back-end servers
- Worked on public API

AWARDS

2014	Winner	Cornell Mathematical Contest in Modelling
2014	Honourable Mention	Int. Mathematical Contest in Modelling
2013	Winner	CS 3410 Cache Racing
2011	Recipient	John McMullen Dean's Scholarship
2011		FIRST Team 2168 Programming Lead

SKILLS

PROGRAMMING

Experienced:

- Python
- C++
- Java

Proficient:

- C
- Javascript
- OCaml
- Matlab

Familiar:

- C#
- Shell
- HTML
- MySQL

OTHER

- Git
- Perforce
- Test-Driven-Development
- Web Development
- Technical Writing

LINKS

Github:// [dtwitty](#)