

SAMUEL DANIEL

(570) · 317 · 5253 ◊ samuel.daniel@tufts.edu
34 Chetwynd Rd ◊ Somerville Massachusetts 02144

EDUCATION

Tufts University
Bachelor of Science in Computer Science
GPA: 3.10

Expected May 2014

RELEVANT COURSES

Introduction to Computer Security, Internet-Scale Distributed Systems, Operating Systems, Machine Structures and Assembly-Language Programming, GPU Programming for Scientific Applications, Artificial Intelligence, Physics 11 & 12 and Calculus II & III

Audited: Foundations of International Cybersecurity at the Fletcher School of Law and Diplomacy

TECHNICAL STRENGTHS

Languages	C/C++, CUDA, Scala, Java, Python/Jython, HTML5, CSS3, Javascript
Protocols, APIs, & Libraries	Akka, Unfiltered, Bootstrap, jQuery, Apache Commons, matplotlib
Tools	Git, Unix, Linux, Ant, Maven, Jira, Photoshop, L ^A T _E X

EXPERIENCE

DataXu <i>Summer Intern</i>	May - August 2013 <i>Boston, MA</i>
---------------------------------------	--

- Wrote modules in Scala to gather metrics and performance information.
- Used Skytap's cloud-based virtualization environments as a testing environment.
- Created an internal web-app in Scala for customer-facing employees to interact with an HBase database.
- Test-driven development.

Human-Robot Interaction Lab at Tufts University <i>Research Assistant</i>	June - August 2012 <i>Medford, MA</i>
---	--

- Collaborated with graduate students in their research.
- Wrote algorithms and unit tests to analyze and process near infrared spectroscopy (NIRS) data using Java and Apache Commons Math.
- Used Python/Jython with matplotlib to process and graph the data.

New Jersey "Y" Camps <i>Astronomy Instructor</i>	2006 - 2011 (Seasonal) <i>Milford, PA</i>
--	--

- Developed lesson plans utilizing computers and telescopes to conduct daily and nightly instructional sessions with campers aged six to sixteen.
- Trained staff at sister camps to use telescopes, lenses, and star charts.
- Promoted from assistant to instructor in 2010.

The Fork at Twin Lakes <i>Bartender/Assistant Manager</i>	2009 - 2011 (Seasonal) <i>Shohola, PA</i>
---	--

- Directed five person operating staff for catered events up to 200 guests.
- Oversaw logistics of catered events (e.g. transportation, procurement, storage).
- Involved with marketing and public relations, face-to-face and web-based strategies.

Ginn Library, Fletcher School, at Tufts University <i>Circulation Desk Aide</i>	January 2012 - Present <i>Medford, MA</i>
---	--

- Assist library patrons in finding and checking in & out books and equipment.
- Give directions to campus visitors.

INTERESTS & ACTIVITIES

DJ and Webmaster at WMFO - Tufts Freeform Radio
Tufts Hackathon 2012, 2013

Computer Science, Science and Technology Policy, Space Exploration and Science, Cybersecurity, Astronomy, Consumer Electronics Industry, Video Game Industry, Government and Politics, the Internet, Futurism, Science Fiction, Film