

Michael Abed

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Education

Boston University, Boston MA

- BS in Computer Engineering, May 2014 (expected)
- Engineering Scholars Award

Sumner Academy, Kansas City KS

- High School Diploma, May 2010
- International Baccalaureate Diploma, May 2010

Skills and Proficiencies

Languages: Python, C, C++, Ruby, Java, JavaScript, Objective-C, Perl, and PHP

Frameworks: Django, Flask, Sinatra, Zend, Selenium, and Cuda

Technologies: Linux, Nginx, Apache, MySQL, PostgreSQL, Redis, Git, and HTML

Coursework: Algorithms, Operating Systems, Networking, Computer Organization, High-Performance Computing, Cybersecurity, Microprocessors, and Logic Design

Experience

Academic and Extracurricular Projects

September 2010–Present

- Developed a Github clone for use by BU students, faculty, and staff
- Placed 2nd in MIT Lincoln Lab's capture the flag style security competition
- Designed and implemented MIPS-like CPU in verilog
- Implemented a Tic-Tac-Toe game with VGA output on an FPGA

Systems Engineering Intern at Akamai Technologies

June–August 2013

- Developed tool to detect non-optimal peering agreements
- Maintained and extended existing tools written in PHP and Perl

Automation Engineering Intern at Compete Inc.

June–August 2012

- Parallelized test framework, reducing run time from 90 minutes to 20 minutes
- Implemented a domain specific language to execute JavaScript from Python

Student Cluster Competition at SC11, SC12

November 2011, 2012

- Developed cluster environment in Arch Linux on student designed cluster
- Ran real-world scientific applications in a time and power constrained environment

IT Consultant at BU College of Engineering

September 2010–Present

- Developed and deployed monitoring solution for grid and lab computers
- Maintained Linux labs, and grid computing environment