Matt Zenzie

36 Cross St., Dover MA 02030
Cell: (413)-687-0408
matt@zenzie.net

Education:

BS Computer Science, U. of Mass at Amherst, Commonwealth Honors College GPA: 3.705 **Fall 2013 – May 2017**
Boston University (while in high school)
High School: Boston University Academy, graduated Spring 2013

Relevant Coursework (University of Massachusetts at Amherst):

CMPSCI 220: Programming Methodology
CMPSCI 230: Computer Science Principals
CMPSCI 240: Reasoning under Uncertainty
CMPSCI 250: Introduction to Computation
CMPSCI 305: Ethics in Computing
CMPSCI 311: Algorithms
CMPSCI 320: Software Engineering
CMPSCI 326: Web Programming
CMPSCI 345: Data Management
CMPSCI 377: Operating Systems
CMPSCI 383: Artificial Intelligence
CMPSCI 445: Information Systems (In Progress)
CMPSCI 453: Networks
CMPSCI 460: Intro. Computer and Network Security

Honors and Awards:

Phi Kappa Phi Honors Society Member
Viasat Summer Intern Hackathon 2016 Automation Category Winner
Dean's List Spring 2014, Fall 2014, Spring 2015, Fall 2015 (3.5+ GPA)
CyberPatriot IV and V National Finalist 2013 and 2014

Previous Work Experience:

Technical Staff Intern, **Viasat** Summer of 2016

Used Python, Bro, and the ELK stack, among other technologies to create an elastic intrusion detection system.

Technical Staff Intern, **Viasat** Summer of 2015

Implemented a framework to graph the flow of data in a large-scale distributed web application using Amazon Web Services and Clojure.

Software Test Engineer Intern, **ViaSat** Summer of 2014

Developed a dynamic virtual test bed for a satellite internet media broadcasting technology using Python along with various VMWare utilities and Wireshark.

Software Test Engineer Intern, **MIT Lincoln Laboratory** Summer of 2013

Created a graphing tool using Python, matplotlib, and SQLite for testing a new homomorphically encrypted database protocol.

Skills:

Programming Languages and Technologies:

Highly proficient with Python
Proficient with Java, Clojure, C, Amazon Web Services (SWF, SQS, DynamoDB, etc.), HTML, CSS, and SQL (postgres)
Some knowledge of Applied Type System (ATS), C++, bash scripting, ReactJS, and MongoDB

Editors:

Proficient at developing in Emacs (preferred for Python, Clojure, C, etc.)
Semi-proficient at developing in eclipse (preferred for Java)

Human Languages:

Proficient in Japanese (Completed minor, 2 years of BU courses, 1 year of Umass courses)
Semi-proficient in Latin (2 years of BUA courses)