

Elizabeth Viera

<http://ElizabethViera.com>

eviera@cmu.edu

517.914.3052

EDUCATION

CARNEGIE MELLON UNIV.

MASTER OF SCIENCE IN LOGIC,
COMPUTATION, AND METHODOLOGY
Expected May 2018 | Pittsburgh, PA
GPA: 3.7 / 4.0

UNIVERSITY OF MICHIGAN

BACHELOR OF ARTS IN LOGIC
May 2016 | Ann Arbor, MI
University Honors
Individualized Major Program
GPA: 3.5 / 4.0
Major GPA: 3.8 / 4.0

COURSEWORK

GRADUATE

Algorithms
Dynamic Logic
Decision Theory
Game Theory
Software Documentation

TEACHING ASSISTANT

Decision Theory
Engineering Ethics
Introduction to Linguistics
Introduction to Philosophy
Introduction to Programming

UNDERGRADUATE

Fundamentals of Programming and CS
Linear Algebra
Mathematical Logic
Mathematics of Language
Real Analysis

SKILLS

PROGRAMMING

C++ • Python
JavaScript • Typescript

MISC.

LaTeX • Git
Adobe Illustrator
HTML • CSS

EXPERIENCE

QIS PROJECT, INC. | SOFTWARE DEVELOPER

January 2013 – July 2016 | Santa Barbara, CA

- Designed and implemented language-learning software for mobile platforms.
- Tested development platforms and created prototypes of mobile applications in tool selection phase.
- Generated design assets for web content.
- Consulted with new clients on project goals and specifications.

CARNEGIE MELLON UNIVERSITY | TEACHING ASSISTANT

Expected August 2016 – May 2018 | Pittsburgh, PA

- Lead weekly review/discussion sections.
- TA/Grader for approximately 170 students over two years.

CARNEGIE MELLON UNIVERSITY CS ACADEMY | HEAD TA

June 2017 - July 2017 | Pittsburgh, PA

- Provided educational support to high school computer science teachers.
- Coordinated the matching of 20 workshop attendees and 20 teaching assistants to maximize learning outcomes.

PROJECTS

GENERALIZATION OF PDL | THESIS RESEARCH

January 2017 - Present | Pittsburgh, PA

- Created a hybrid system of topology and dynamic logic.
- Researched the representation of uncertainty within computational systems.

CALLIGRAPHICS | DIGIT RECOGNITION AND PREDICTION

March 2017 - May 2017 | Pittsburgh, PA

- Implemented PCA and whiteboard image parsing module.
- Developed with Python, Tkinter, numpy, Python Imaging Library.

LEADERSHIP ACTIVITIES

CARNEGIE MELLON MAPS | SPEAKER ON INCLUSIVE PEDAGOGY

September, 2017 | Pittsburgh, PA

- Presented resources and techniques for effective teaching practices.
- Lead discussion on discipline-specific cases.

UNIVERSITY OF MICHIGAN WOMEN IN MATH | VICE PRESIDENT

May 2015 - May 2016 | Ann Arbor, MI

- Coordinated and marketed events with attendance of 15-30 people.
- Contacted speakers and panels from outside organizations and companies.