

Elizabeth Viera

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EDUCATION

CARNEGIE MELLON UNIV.
MASTER OF SCIENCE IN LOGIC,
COMPUTATION, AND METHODOLOGY
Expected May 2018 | Pittsburgh, PA
GPA: 3.8 / 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

LINKS

Github:// [ElizabethViera](#)
LinkedIn:// [elizabeth-viera](#)

COURSEWORK

GRADUATE

Algorithms
Dynamic Logic
Modal Logic
Decision Theory
Game Theory
Set Theory

UNDERGRADUATE

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

SKILLS

PROGRAMMING

Proficient:
Python • \LaTeX • HTML • CSS
Intermediate:
C++ • Javascript
Familiar:
MySQL

EXPERIENCE

QIS PROJECT, INC. | SOFTWARE DEVELOPMENT INTERN

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 45 students per semester.

UNIVERSITY OF MICHIGAN | LOGIC CONSULTANT

Jan 2016 – May 2016 | Ann Arbor, MI

- Worked with a team to create a logic module for undergraduate students.
- Provided procedural techniques and content ideas.

PROJECTS

GENERALIZATION OF PDL | THESIS RESEARCH

January 2017 - Present | Pittsburgh, PA

- Developed and explored the use of 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.

CARNEGIE MELLON UNIVERSITY CS ACADEMY | HEAD TA

June 2017 - July 2017 | Pittsburgh, PA

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

UNIVERSITY OF MICHIGAN WOMEN IN MATH | VICE PRESIDENT

May 2015 - May 2016 | Ann Arbor, MI

- Designed marketing materials displayed in the University of Michigan math department.