

Forest Elliott

(802) 343-7216 forest.elliott@gmail.com

EDUCATION

Oberlin College, Ohio

Expected May, 2020

Majors: Mathematics and Computer Science, GPA: 3.63

Relevant Courses

CSCI 151: Data Structures, CSCI 210: Computer Architecture, CSCI 240: Systems Programming, CSCI 275: Programming Abstractions, CSCI 280: Algorithms, CSCI 357: Computer Graphics, MATH 220: Discrete Math, MATH 231: Multivariable Calculus, MATH 232: Linear Algebra, MATH 331: Linear Optimization

SKILLS

Languages

Advanced: Java, Python, C, C#, Scheme | Intermediate: R, MIPS, C++, Shell Script, PHP

Other: OpenGL Java, Android Studio, Unity, Socket Programming, App Development, Linux, NumPy, TensorFlow

RESEARCH

Florida Atlantic REU, Florida

May 2018 - August 2018

- Assisted in lab for Adaptive Traffic Control
- Developed a 3D driving simulator
- Cross compiled code to facilitate router communication with simulator and traffic controller

The New York Institute of Technology REU, New York

May 2019 - August 2019

- Created experiment to collect gaze data on video stimulus of emotions
- Developed tools to process data and find gaze areas of interest in stimulus
- Developed deep learning model with TensorFlow and tree model with WEKA

Math Website Development, Oberlin Ohio

September 2018 - December 2018

- Created a non-routine math web database for teachers
- Provide pre-calculus problem sets for teachers
- Developed shopping cart application for problems

EXPERIENCE

HACKCWRU Hackathon Participant

September 2017 - December 2017

- In 36 hours, learned to use Android studio, Google Map API, and web scraping to create Map app that used GPS location to show nearby coding events

Oberlin Math and Computer Science Tutor

September 2016 - PRESENT

- Help in 50 person lab for intro computer science courses twice a week
- Private tutor students in Linear Algebra and Multivariable Calculus

LEADERSHIP

Math Majors Committee

September 2017 - PRESENT

- Organize and run weekly Math Tea, facilitate discussion between majors and faculty
- Compiled a master contact list of previous Oberlin math majors
- Organized post-graduation planning session with the Career Center