

DOMINIC DICARLO
5535 S. Kenwood Ave, Chicago, IL 60637
(920) 495-3268 ddicarlo@uchicago.edu
github.com/domdicarlo

EDUCATION

University of Chicago

- Computer Science Major
- Odyssey Scholar
- GPA: 3.55

Graduating Dec. 2020

WORK EXPERIENCE

UChicago Biological Sciences Division**Assistant Data Analyst**

- Scraping grant and faculty performance data from various university biology departments
- Implementing R scripts to automate repetitive tasks to increase productivity by 50%
- Creating informative graphs using R ggplot and Excel to improve University outcomes

Chicago, IL
June 2019 - Present

Behavioral Biology Lab**Researcher**

- Programmed analysis script in R to investigate data trends and create interesting visualizations
- Conducted experiments working with human subjects, through questionnaire and interview
- Designed data collecting procedures to test novel hypotheses concerning personality

Chicago, IL
June 2019 - Oct. 2019

Towle Neurology Lab**Programmer, Research Assistant**

- Designed a C# program that operates on TCP stream of EEG data and performs signal analysis
- Analyzed EEG data collected from research subjects to understand language in the brain
- Created data visualizations to aid in presenting research in grant proposals

Chicago, IL
June 2018 - Oct. 2018

Upward Bound Tutoring Program**English, Math, and Science Tutor**

- Instructed students in one-on-one lessons addressing their weaknesses
- Gave lectures on math lessons to a group of around 15 students
- Fostered students' interests and provided guidance on post high school plans

Chicago, IL
June 2018 - Aug. 2018

PROGRAMMING EXPERIENCE

Languages and Frameworks

- *Javascript* - Familiar with React and D3
- *Python* - Proficient in numerical computing (Numpy, Pandas), familiar with Django, Flask, basics of OOP
- *R* - Proficient in dplyr and ggplot2
- *C#* - Familiar with Windows Forms and TCP networking

Development Tools

- *Git* - Proficient with handling local repositories and pushing to Github
- *Linux Operating System* - Familiar with Unix shell
- *SQL* - Basic understanding of concepts

Projects (see github.com/domdicarlo)

- *She Votes Illinois* - Configuring a flask-based blog connected to a MySQL database as part of a student team
- *Noah Nomad Website* - Implemented a Javascript country plotter from scratch, using geoJSON coordinates
- *Indicators in Global Development* - Manipulated JSON data to accomplish intricate data visualization

INTERESTS/HOBBIES

-
- Meditation; Philosophy Blogging; Psychology; Hindu Theology; Singing and Guitar; Video Game Creation; Martial Arts; Triathlon; Hiking; Traveling; Learning esoteric facts