

Harry Smith

PERSONAL DETAILS

<i>Address</i>	513 W 134th Street New York, New York 10031
<i>Phone</i>	(610)-202-4069
<i>Mail</i>	hs3061@columbia.edu
<i>Github</i>	https://github.com/sharry29
<i>Teaching Reviews</i>	http://www.columbia.edu/~hs3061/reviews.pdf

EDUCATION

Columbia University, New York, NY 2018-Present
M.S. in Computer Science
Expected completion in August 2019

University of Pennsylvania, Philadelphia, PA 2014-2018
B.A. in Logic & in Computer Science
Double Major, Magna Cum Laude

TEACHING EXPERIENCE

Instructor for CIS 192 Python Programming Spring '17, Fall '17, Spring '18
University of Pennsylvania

For three semesters as an undergraduate, I taught this introductory course in Python Programming. Across these three semesters, my average Instructor Quality rating was 3.13 and the Course Quality average was 3.07, both out of a maximum of 4. Class sizes ranged from 20-35 students. I was responsible for preparing and giving a weekly lecture, writing homeworks, managing TAs, holding office hours, and grading projects.

Here is the course webpage from Spring 2017: <http://cis.upenn.edu/~cis192/spring2017/>

TA for COMS 3261 Computer Science Theory Fall '18
Columbia University

I worked as a teaching assistant for this 200 student course in Fall 2018. I held weekly office hours, responded to students' online questions, and graded assignments and exams.

TA for CIS 192 Python Programming Spring '16, Fall '16
University of Pennsylvania

Before working as the instructor for this course, I TA'd it for Spring and Fall 2016. I held weekly office hours, responded to students' online questions, graded assignments, and gave a guest lecture.

RESEARCH EXPERIENCE

Undergraduate Research Assistant May '15—August '18
Marinov Climate Group at University of Pennsylvania

I worked for over three years as a researcher in Dr. Irina Marinov's climate modelling research group. I worked on several projects, each involving computational modelling of

oceanic processes. Examples of these projects include a model for plankton size evolution and a model for deep-ocean Carbon export.

Personal Research

August '17—April '18

Predicting NHL Game Winners

I undertook this research project with a friend who is a member of an online hockey analytics community. We built a model to predict match winners in order to take part in the 2017 season Corsica Hockey Predictions challenge. Our model ended up being the most accurate, winning us a \$5,000 cash prize.

PRESENTATIONS

Invited Lecturer

September '17

PennApps Hackathon at University of Pennsylvania

I was invited to give an hour-long crash course on Python & the Web. My talk focused on teaching how to make and receive HTTP requests, and how to deploy a web server using the popular Flask library.

Poster Presentation

December '18

American Geophysical Union Fall Meeting, 2018

Topic : Oceanic Iron fertilization: a bibliometric analysis of literature based on NLP techniques

I created this poster about my Summer 2018 research with Dr. Marinov.

SKILLS

Programming Languages

PYTHON, JAVA, OCAML, C, SQL

Software & Tools

MATLAB, TABLEAU, PROCESSING & P5.JS

Subjects of Interest

THEORY OF COMPUTATION, ALGORITHMIC GAME THEORY
PROGRAMMING LANGUAGES, PROGRAM ANALYSIS
NATURAL LANGUAGE PROCESSING
MACHINE LEARNING EDUCATION
DATA VISUALIZATION, GENERATIVE & DIGITAL ART