

# David W. Proctor

Student, Yale University, Class of 2019 - [david.proctor@yale.edu](mailto:david.proctor@yale.edu)

## Education

### YALE UNIVERSITY

Timothy Dwight  
Class of 2019  
New Haven, CT  
B.S. Computer Science (Prospective)

### HOPKINS SCHOOL

Class of 2015  
New Haven, CT

## Courses

Algorithms  
Data Structures  
Discrete Math  
Quantum Computing  
Astrophysics

## Skills

### Programming

Python  
C

### Data Analysis

Monte Carlo method  
Chi<sup>2</sup> fitting  
Noise reduction

### Language

Spanish  
Portuguese

## Experience

### CS50 | Developer

2017 summer. [cs50.net](http://cs50.net)

*Harvard and Yale's "Intensive Introduction to Computer Science."*

- Led three technical presentations at each of two CS50 educator conferences.
- Taught two-week web development course (Python, JS, SQL) at Harvard Summer School.
- Made CS50 library install cross-platform (Mac, Linux).
- Analyzed teacher and student survey data.
- Made reference sheets for core topics. [ap.cs50.net/resources](http://ap.cs50.net/resources)
- Designed cross-curricula (CS + physics, CS + astronomy) lesson plans and psets.

### CS50 | Teaching Fellow

2016 fall. [ap.cs50.net/cscie50a](http://ap.cs50.net/cscie50a)

*I hosted section, office hours and graded 18 Harvard Extension School students.*

### CS50 AP | Curriculum Intern

2016 summer.

*In 2016-17, CS50 AP was taught in 40+ high schools to 1000+ students.*

- Mapped CS50 materials to a high school AP curriculum.
- Developed two Python web apps (psets 7 and 8).
- Generated questions for CS50 Quizbank ([quizbank.cs50.net](http://quizbank.cs50.net)), a student's study tool and teacher's quiz generator.

### Honduras Childrens Project | President

2013-present. [honduraschildrensproject.org](http://honduraschildrensproject.org).

*Honduras Children's Project is "dedicated to improving the education for the children of Copprome Orphanage in El Progreso, Honduras."*

- Hired two teachers and three teaching assistants.
- Doubled annual fundraising from \$12,500 to \$25,000.