



# IVY O'NEAL-ODOM

Software Developer

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## Resume in Brief

A relentlessly curious software developer who likes to work both down at the metal and on the high level. Experience in both client and server-side development. A problem solver to the core, if it's challenging or interesting, it's getting done.

## Experience

### RESEARCH ASSISTANT

*Mount Holyoke College, South Hadley MA / December 2019 - Present*

- Developed a cloud-based educational supplement for a 300-level Algorithms course at Mount Holyoke College.
- Researched effective teaching methods and implemented them in the above mentioned educational supplement.

### WEBSITE MANAGER

*Mount Holyoke College, South Hadley MA / 2018 - Present*

- Maintain and improve a public, dynamic website for the student organization Renegades.
- Manage a small team of server admins and community moderators for the student organization Renegades.

### FRONT END DEVELOPER AND ROBOTICIST

*Enterra Solutions, Newtown PA / Summers of 2016 and 2015*

- 2016 - Designed and built a water filtration device and an associated cloud-based maintenance and diagnostic tools with a similar small team.
- 2015 - Deployed a website which provided personalized vacation locations to users alongside a small team of fellow intern

## Awards & Community

### HackHolyoke

(MLH) Runner-Up 2017

### AV Tech for TEDx

George School 2016

### Compassionate Young Leaders Certificate

Dalai Lama Center for  
Ethics and Transformative  
Values at MIT 2016-2017

### Children's Hospital of Philadelphia

Member of Advisory  
Board 2016-2017

### Sustainable Architecture and Ecology Internship

Sirius Community 2019

## Education

### Computer Science Major

South Hadley, MA

Graduation Date: May  
2020

**GPA:** 3.58

## Relevant Courses

Compiler Design  
Theory of Computation  
Discrete Mathematics  
Operating Systems  
Artificial Intelligence  
Modeling and Simulation  
Physical Computing and  
Robotics  
Data Structures / Algorithms

## Programming Languages

Python  
C / C++ / Arduino C  
Java / C#  
Javascript / JQuery / Node.js  
RESTful APIs