

# DIVESH OTWANI

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github.com/Divesh-Otwani

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## OBJECTIVE

I am searching for an internship in which to apply my knowledge of data structures and algorithms to backend software development.

## EDUCATION

- **Haverford College** (Haverford, PA)  
Expected graduation: June 2019. Majors: Computer Science, Math. GPA: 3.98.
  - **Computer Science Courses:** Accelerated Introduction to Computer Science and Data Structures 107, Computer Architecture 240
  - **Math Courses:** Abstract Algebra 333, Real Analysis 317, Discrete Mathematics 231, Cryptology Seminar, Linear Algebra, Multivariable Calculus

## EXPERIENCE

- **Website**
  - To see my most recent projects, skills, blog posts and activities, see my website.
  - *Link:* <http://divesh-otwani.github.io/My-Online-Workspace/>
- **Hackathon, Codeday Philadelphia.** Spring 2016
  - Created an application that finds arbitrarily sized class trading circles for college students
  - *Award/Rank:* 1<sup>st</sup> place. Overall best application.
  - *Role:* Designed and implemented backend architecture. Created testing engine to simulate large amounts of data. Team size: 2.
  - *Link:* [https://github.com/Divesh-Otwani/Waitlist\\_Exchange](https://github.com/Divesh-Otwani/Waitlist_Exchange)
- **Hackathon, Codefest Philly.** Spring 2016
  - Created a mobile friendly site for disabled individuals to crowd-source obstructions.
  - *Rank:* Top 10 teams
  - *Role:* Designed algorithm to find directions from point  $A$  to  $B$  avoiding a set of obstructions. Implemented algorithm with teammate familiar with google maps API. Team size: 5.
  - *Link:* <https://goo.gl/z4cC10>
- **Student System Administrator** Summer 2016 – Present
  - Custom ordered and built 13 client machines, 1 file server, and, 1 high performance machine
  - Set up aforementioned lab machines with Ubuntu 16.04 (14 client, 1 file server) and needed teaching and research software
  - Coordinate students who help administrate the teaching lab
  - Manage computer science labs: fulfill install requests, troubleshoot issues and handle crises
  - Reference: Professor Dave G. Wonnacott, [dwonnaco@haverford.edu](mailto:dwonnaco@haverford.edu)
- **Teaching Assistant for CS107** August 2016 – Present
  - CS107: Accelerated Introduction with Data Structures
  - Grade and assist students with lab assignments

## SKILLS

- **Languages:** Experienced in C, C++, Python, Bash. Familiar with JavaScript.
- **Systems:** Linux (Especially Ubuntu, NFS, SSH), Windows 7-10.
- **Software:** Vim, Eclipse, Git, GDB, Mathematica