

DIVESH OTWANI

dotwani@haverford.edu

github.com/Divesh-Otwani

January 21, 2017

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, Concurrency and Co-design 356, Modern Functional Programming in Haskell 380
 - **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:* 1st 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
- 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
- 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