Divesh Otwani

dotwani@haverford.edu github.com/Divesh-Otwani January 10, 2017

Objective

I am searching for an internship in which to apply my knowledge of data structures and algorithms to back end 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/
- Github: https://github.com/Divesh-Otwani/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/z4cC1O

- 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. Familar with JavaScript.
- Systems: Linux (Especially Ubuntu, NFS, SSH), Windows 7-10.
- Software: Vim, Eclipse, Git, GDB, Mathematica