

# Sushain Cherivirala

www.skcn.name · sushain@cs.cmu.edu · 713.992.4043

 sushain97  sushain97  sushain

## EDUCATION

### CARNEGIE MELLON UNIVERSITY

SCHOOL OF COMPUTER SCIENCE  
Business Administration Minor  
GPA: 3.9 | December 2017 | Units: 301

### JOHN FOSTER DULLES HIGH

GPA: 4.0 | Credits: 37.5

## TEST SCORES

SAT I 2390 (800 M, 800 R, 790 W)

SAT II Physics: 800 · Math 2: 800

## COURSEWORK

### FORMAL

Great Theoretical Ideas in CS [15-251]  
Practical Data Science [15-688]  
Intro to Computer Systems [15-213]  
Speech Processing [11-492]

### MOOCs

Completed over 25 massive open online courses from over ten institutions, each lasting one to four months

## PROJECTS

**Funding search system** for CMU students to find grants, scholarships, etc.

**Tournament management system** deployed across the state serving 3k+ users and saving 4k+ man hours

**Fully internationalizable web app** for document/text translation and morphological functions serving 100k+ users

## SKILLS

### PROGRAMMING

Experienced:

Java • Python • JavaScript • HTML & CSS

Proficient:

PHP/Hack • SQL • Bash • Ruby • L<sup>A</sup>T<sub>E</sub>X • C

Familiar:

Scala • x86 Assembly • MATLAB • Octave  
• R • REXX • Makefile • Typescript

### APPLICATIONS

Adobe Illustrator, InDesign, & Photoshop • Git • SVN • Vim • Eclipse • Bower/Grunt

### PLATFORMS & LIBRARIES

Django • Android SDK • CUDA • IBM z/OS • App Engine • AWS • WordPress • D3.js • jQuery • AngularJS • Node.js

## EXPERIENCE

### PALANTIR | FORWARD DEPLOYED SOFTWARE ENGINEER

June 2017- August 2017 | New York, NY

### FACEBOOK | PERFORMANCE AND CAPACITY ENGINEER INTERN

May 2016 – July 2016 | Menlo Park, CA

Developed models and visualizations of long range infrastructure requirements among other peripheral tools, a collaboration with teams throughout the Infra Foundation to eliminate thousands of man-hours of operational work

### SCHOOL OF COMPUTER SCIENCE | 15-150 TEACHING ASSISTANT

Aug 2016 – present | Carnegie Mellon University

Designing secure autograders, conducting lab/office hours and writing assignments

### STUDENT GOVERNMENT | APPLICATION ENGINEER

Aug 2016 – present | Carnegie Mellon University

Serving the technical needs of campus organizations and students by liaising with the Student Government Executive Committee and campus administration

### PETROED MULTIMEDIA | SOFTWARE DEVELOPMENT INTERN

May 2015 – Dec 2015 | Houston, TX

Presented projects to international clients, developed web apps with PHP & SQL Server, introduced VCS & SEO, administered and established an e-commerce site

### APERTIUM | SOFTWARE CONTRIBUTOR

Nov 2012 – present | #apertium on chat.freenode.net

Collaborating with developers worldwide on the FOSS machine translation platform designing apps, e.g. our translation service used by 100k+ users in 150+ countries

### BITS OF CODE | SOFTWARE DEVELOPMENT INTERN

## RESEARCH

### INSTITUTE FOR SOFTWARE RESEARCH | RESEARCH ASSISTANT

September 2015 – present | Carnegie Mellon University

Co-authoring publications in ACL 2016, TA-COS 2016 & SOUPS 2016 and developing a plugin, website and API for users to interact with privacy policies

### APERTIUM | RESEARCH INITIATIVE

### RICE UNIVERSITY | RESEARCH INTERNSHIP

### IMAGE CHD | RESEARCH INITIATIVE

## AWARDS

|               |                    |                                     |
|---------------|--------------------|-------------------------------------|
| 2015, 16 & 17 | Dean's List        | CMU School of Computer Science (×3) |
| 2013 & 2014   | Grand Prize Winner | Google Code-In (×2)                 |
| 2012          | Grand Prize Winner | IBM Master the Mainframe            |

## VOLUNTEERING

|              |                       |                                |
|--------------|-----------------------|--------------------------------|
| 2015-present | Mentor & Webmaster    | Moneythink CMU                 |
| 2014-present | Student Mentor        | Google Code-In (with Apertium) |
| 2014-2015    | Technology Instructor | T.E. Harman Senior Center      |

## ORGANIZATIONS

|              |                        |  |
|--------------|------------------------|--|
| 2015-present | Academic Affairs Chair | Undergraduate Student Senate             |
| 2015-2016    | Investment Analyst     | Tartan Student Fund (TMT Group)          |
| 2012-2015    | President ('14)        | Mu Alpha Theta (Nat. Math Honor Society) |
| 2012-2015    | Co-President ('14)     | Math and Science Academy Student Council |