

# Sushain Cherivirala

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 sushain97  sushain97  sushain

## EDUCATION

### CARNEGIE MELLON UNIVERSITY

SCHOOL OF COMPUTER SCIENCE  
Business Administration Minor  
GPA: 3.9 | December 2017 | Units: 358

### 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

GRE Overall: 333 · Writing: 5.5

## COURSEWORK

Algorithm Design & Analysis [15-451]  
Practical Data Science [15-688]  
Distributed Systems [15-440]  
Speech Processing [11-492]  
Natural Language Processing [11-411]

## PROJECTS

**Room reservation platform** for CMU students serving 250+ users

**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 • JS/TypeScript • SML

Proficient:

Go • PHP/Hack • SQL • Bash • Ruby •  $\LaTeX$  • C • HTML • CSS/SCSS/LESS

Familiar:

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

### APPLICATIONS

Docker • Adobe Illustrator, InDesign, & Photoshop  
Git/SVN • Vim • Yarn • Grunt

### PLATFORMS & LIBRARIES

Django • React • Travis/Circle CI • Vue.js  
Android • IBM z/OS • App Engine • AWS  
D3.js • jQuery • AngularJS • Node.js

## EXPERIENCE

### PALANTIR | FORWARD DEPLOYED SOFTWARE ENGINEER INTERN

June 2017 - August 2017 | New York, NY / Washington, D.C.

Improved our case management solution's feature set, browser performance and quality assurance infrastructure while providing development and strategic support to worldwide deployments of the product

### 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 - May 2017 | Carnegie Mellon University

Developed a secure autograding infrastructure and manuals to save over five hundred man hours per year, conducted labs/office hours and wrote assignments

### STUDENT GOVERNMENT | APPLICATION ENGINEER

Aug 2016 - May 2017 | Carnegie Mellon University

Served the technical needs of Student Government such as administering elections

### PETROED MULTIMEDIA | SOFTWARE DEVELOPMENT INTERN

May 2015 - Dec 2015 | Houston, TX

Presented to international clients, developed web apps, introduced version control and search engine optimization, 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, and mentoring students (GCI & GSoC)

### BITS OF CODE | SOFTWARE DEVELOPMENT INTERN

## RESEARCH

### INSTITUTE FOR SOFTWARE RESEARCH | RESEARCH ASSISTANT

September 2015 - present | Carnegie Mellon University

Co-authoring publications in SJW '17, ACL '16, TA-COS '16 & SOUPS '16/17; developing an extension, website and API for interaction with privacy policies; building a distributed mobile app compliance analysis and policy retrieval system

### RICE UNIVERSITY | RESEARCH INTERN

### IMAGE CHD | RESEARCH INITIATIVE

## RECOGNITIONS

2015, 16 & 17	Dean's List	CMU School of Computer Science (×4)
2013 & 14	Grand Prize Winner	Google Code-In (×2)
2012	Grand Prize Winner	IBM Master the Mainframe

## INVOLVEMENT

2015-present	Vice Chair	Undergraduate Student Senate
2015-present	Mentor & Webmaster	Moneythink CMU
2014-present	Mentor	Google Code-In/Summer of Code
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