

# Sushain Cherivirala

www.sk.name · sushain@sk.name · 713.992.4043

 sushain97  sushain97  sushain

## EDUCATION

### STANFORD UNIVERSITY

M.S. COMPUTER SCIENCE

Systems Specialization

June 2019 | GPA: 4.1 | Units: 33

### CARNEGIE MELLON UNIVERSITY

B.S. COMPUTER SCIENCE

Business Administration Minor

GPA: 3.9 (Honors) | Units: 418

### JOHN FOSTER DULLES HIGH

GPA: 4.0 | Credits: 37.5

## SKILLS

### PROGRAMMING

Experienced

Python • JS/TypeScript • Ruby • C • Java

Proficient

C++ • Rust • Go • PHP/Hack • SQL • Bash

LaTeX • HTML • CSS/SCSS/LESS • J

Familiar

Scala • x86 Assembly • MATLAB • Octave

R • REXX • Makefile

### APPLICATIONS

Docker • Webpack • Adobe Illustrator,

InDesign & Photoshop • Git/SVN • Yarn

### PLATFORMS & LIBRARIES

Travis/Circle CI • Spark • Django • React

Redux • Vue.js • Android • IBM z/OS • App

Engine • AWS • D3.js • jQuery • AngularJS

Node.js • MongoDB • WordPress

## COURSEWORK

Distributed Systems [15-440]

Practical Data Science [15-688]

Operating Systems [CS 140]

Advanced Compilers [CS 243]

Computer Graphics [CS 248]

## TEST SCORES

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

SAT II Physics: 800 · Math 2: 800

GRE Overall: 333 · Writing: 5.5

## PROJECTS

### Tournament management system

deployed statewide serving 3k+ users and saving 4k+ man hours

### Fully internationalizable web toolkit

for document/text translation and morphological functions serving 100k+ users

## EXPERIENCE

### STRIPE | SOFTWARE ENGINEER INTERN

May 2018 – August 2018 | San Francisco, CA

Reduced on-call toil and developer downtime with an automated flaky test detection and mitigation system; enhanced build results, status monitoring, and engineer messaging interfaces as a member of the Test Infrastructure team

### CITADEL | SOFTWARE ENGINEER INTERN

Jan 2018 – March 2018 | Chicago, IL

Developed microservices and web applications to enable historical security pricing introspection, temporal database browsing, and trader pricing adjustment tools

### 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

### INSTITUTE FOR SOFTWARE RESEARCH | RESEARCH ASSISTANT

September 2015 – January 2018 | Carnegie Mellon University

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

### CS COURSE STAFF | 15-150 / CS107 TEACHING ASSISTANT

Aug 2016 – present | Carnegie Mellon University / Stanford 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

Administered and upgraded election software among serving other technical needs

### 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 our 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

## RECOGNITIONS

2018	Senior Leadership Recognition	CMU Division of Student Affairs
2015–2018	Dean's List (×5)	CMU School of Computer Science
2013 & 14	Grand Prize Winner (×2)	Google Code-In
2012	Grand Prize Winner	IBM Master the Mainframe

## INVOLVEMENT

2014–present	Mentor / Org Admin	Google Code-In/Summer of Code
2015–2017	Vice Chair ('17)	Undergraduate Student Senate
2015–2016	Investment Analyst	Tartan Student Fund (TMT Group)