

Sushain Cherivirala

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EDUCATION

STANFORD UNIVERSITY

M.S. COMPUTER SCIENCE

Systems Specialization

GPA: 4.1 | Units: 45

CARNEGIE MELLON UNIVERSITY

B.S. COMPUTER SCIENCE

Business Administration Minor

GPA: 3.9 (Honors) | Units: 41.8

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]

Advanced Operating Systems [CS 240]

Advanced Compilers [CS 243]

Data-Intensive Systems [CS 245]

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

May – August 2018, July 2019 – present | 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

January – 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 – 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 – 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

August 2016 – June 2019 | 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

August 2016 – May 2017 | Carnegie Mellon University

Administered and upgraded election software among serving other technical needs

PETROED MULTIMEDIA | SOFTWARE DEVELOPMENT INTERN

May – December 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

November 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 (x5)	CMU School of Computer Science
2013 & 14	Grand Prize Winner (x2)	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)