

Sushain Cherivirala

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EDUCATION

STANFORD UNIVERSITY

M.S. COMPUTER SCIENCE
June 2019 | GPA: 4.1 | Units: 17

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 • Java • Go

Proficient

C++ • Rust • C • PHP/Hack • SQL • Bash
L^AT_EX • 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]
Speech Processing	[11-492]
Natural Language Processing	[11-411]
Algorithm Design & Analysis	[15-451]

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 morpho-
logical 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 (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)