

Sushain Cherivirala

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EDUCATION

STANFORD UNIVERSITY

M.S. COMPUTER SCIENCE
September 2018

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:

Java • Python • Go • JS/TypeScript • C++

Proficient:

Rust • C • PHP/Hack • SQL • Bash • Ruby
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 • 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

August 2018 | San Francisco, CA

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

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

BITS OF CODE | SOFTWARE DEVELOPMENT INTERN

June 2013 – August 2013 | Houston, TX

RECOGNITIONS

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

INVOLVEMENT

2014–present	Mentor	Google Code-In/Summer of Code
2015–2017	Vice Chair ('17)1	Undergraduate Student Senate
2015–2017	Mentor & Webmaster	Moneythink CMU
2015–2016	Investment Analyst	Tartan Student Fund (TMT Group)