

Sushain Cherivirala

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EDUCATION

CARNEGIE MELLON UNIVERSITY

SCHOOL OF 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 • SML

Proficient:

C/C++ • PHP/Hack • SQL • Bash • Ruby

LaTeX • HTML • CSS/SCSS/LESS • J

Familiar:

Scala • x86 Assembly • MATLAB • Octave

R • REXX • Makefile

APPLICATIONS

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

PLATFORMS & LIBRARIES

Spark • Django • React • Travis/Circle CI
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

Room reservation platform for CMU students serving 250+ users

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

EXPERIENCE

CITADEL | SOFTWARE ENGINEER INTERN

Jan 2018 – present | Chicago, IL

Working within the Fixed Income Market Making group on developing both automatic and web application based testing infrastructures for security pricing

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 (x5)
2013 & 14	Grand Prize Winner	Google Code-In (x2)
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)
2012–2015	Co-President ('14)	Math and Science Academy Student Council