

# Rohit Jha

<https://cseweb.ucsd.edu/~rjha>

rohitjha@ucsd.edu | +1 858-291-2037 | 9450 Gilman Drive, UCSD #40002, La Jolla, CA 92092-0100, USA

## EDUCATION

### University of California, San Diego

#### MS IN COMPUTER SCIENCE

Sep 2015 - Mar 2017 | San Diego, CA

GPA: 3.444 / 4.000

### University of Mumbai

#### BE IN COMPUTER ENGINEERING

Jul 2009 - Jun 2013 | Mumbai, India

GPA: 69.57 / 100

## LINKS

Github:// [rohitjha](#)

LinkedIn:// [rjha1](#)

## GRADUATE COURSEWORK

Software Engineering

Ubiquitous Computing

Building Secure Systems

HCI for Health

Programming Languages

Artificial Intelligence

Advanced Compiler Design

Computability and Complexity

## SKILLS

### Languages

C • Java • C# • C++ • Python • JavaScript  
• PHP • Ruby • TypeScript • Haskell • Scala  
• Go • F# • SQL • Shell • Assembly

### Frameworks & Libraries

.NET • Node.js • Express.js • AngularJS  
• ReactJS • Bootstrap • jQuery • LLVM  
• OpenMP • CUDA • Rails • Android SDK

### DBMS

Microsoft SQL Server • Oracle Database  
• MySQL • MariaDB • SQLite • MongoDB

## AWARDS

2015 TCS On The Spot Award  
2015 TCS On The Spot Award  
2015 Best Dow Reliability Success Story  
2015 TMS Best CIP of the Quarter  
2014 Dow Reliability Ambassador  
2014 Best Dow Reliability Success Story  
2014 TCS On The Spot Award  
2014 TCS Initial Learning Program Kudos  
2014 TCS LIREL

## WORK EXPERIENCE

### Lytx, Inc. | SOFTWARE ENGINEER INTERN

Jun 2016 – Aug 2015 | San Diego, USA

- SaaS development using AngularJS on the front-end, Node.js, .NET and SQL Server on the back-end in an agile development environment
- Implemented user stories, fixed defects, participated in daily stand-up and weekly scrum meetings
- Improved software reliability by reviewing code, writing automated unit and E2E tests

### Tata Consultancy Services (TCS) | DEVELOPER

Nov 2013 – Jun 2015 | Mumbai, India

- Development, enhancement and 24x7 L1–L3 technical support for infrastructure and applications developed in Java, .NET Framework and Oracle Fusion Middleware
- Improved infrastructure and applications' robustness, efficiency and reliability

## SELECTED OPEN-SOURCE PROJECTS

### HTTPS Everywhere by EFF

A browser extension that encrypts your communications with many websites

### zxcvbn by Dropbox

A realistic password strength estimator

### Tesseract.js

Pure JavaScript OCR for 62 Languages

## SELECTED PROJECTS

### FloRead

Oct 2016 – Dec 2016

An online document/article viewer that enhances the on-screen reading experience

### A DSL for Garbled Circuits

Oct 2016 – Dec 2016

A domain-specific language that allows secure creation and application of garbled circuits for secure function evaluation

### Automatic Parallelization of C Programs

Sep 2015 – Mar 2016

A tool which converts C programs into parallelized, functionally equivalent versions tailored for cluster, multicore and GPU computing

### Fitness Bands for Health Outcomes

Sep 2015 – Dec 2015

A software that collects data about users' activities from fitness bands, analyzes this and displays it to them, their doctors and medical researchers

### DiMPL – Discrete Mathematics Programming Language

Aug 2012 – Nov 2015

A DSL built on Haskell that provides a library of functions and an accurate notation for set theory, graph theory, logic, number theory and combinatorics