

SHIVANG SINGH

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EDUCATION

University of Texas at Austin	2017-2021
<ul style="list-style-type: none">Pursuing BS in Computer Science and minor in StatisticsCoursework: Data Structures, Discrete Math, Multivariable Cal, Comp Arch, Statistics (GPA: 3.5)	
Liberal Arts and Science Academy	2013-2017
<ul style="list-style-type: none">Coursework: AP Calculus BC, AP Computer Science, Advanced Computer Science, Web Applications	

SKILLS AND TECHNOLOGY

Proficient: Java, R, Python, Android Studio, XML, HTML/CSS/JavaScript/Ajax, C, Flask
Exposure: Perl, MongoDB, C++, MySQL, Bash, Power shell, Git, .Net, VMware

EXPERIENCE

Software Engineering Intern- (The Home Depot)	2018
<ul style="list-style-type: none">Worked with the DevOps team to develop a front end using the web framework, flask, to automate the backup process on virtual machines, physical servers, and server build process.	
Software Developer Intern - (Face-to-Face Integrated Technologies)	2016-2017
<ul style="list-style-type: none">Prepared and integrated Crystal reports into a .Net based web application used for managing the child welfare program of the South Dakota tribes.	
Data Analytics Intern - Hoffmann Labs (UT Computational Biology)	2016-2017
<ul style="list-style-type: none">Using R as well as data analytics libraries in Python, processed and analyzed RNA sequencing data to test for divergence in embryo stages	
Research Intern - Molecular and Computational Biology (University of Texas)	2014-2016
<ul style="list-style-type: none">Using Perl and supercomputing technology of University supercomputer Lonestar, assembled genome from sequencing data	

PROJECTS

EducationGuide, app for College Guidance (sshivang.github.io/)	2017-present
<ul style="list-style-type: none">Developed an Android app with a web component that provides students recommendations on colleges and extracurricular activitiesIncorporated a Python based clustering algorithm that uses the data of students with similar profiles and interests to generate suggestions.	
Urban HeatIsland Mobile App (urban-heatisland-project.appspot.com/)	2017
<ul style="list-style-type: none">Built an Android application as well as web component to help the City of Austin Department of Energy track the location of an urban heat island	

EXTRA CURRICULARS

University Computational Finance	2018
<ul style="list-style-type: none">As part of the club, developed quantitative trading strategies to trade US equities and futures and present them to audiences from the McCombs School of Business	

HONORS AND AWARDS

University Honors	2018
Texas State University Best Scientific Writing Award	2017
State Science Fair	2017
National Spanish Exam Silver Medalist	2014

