

# SHIVANG SINGH

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Github: [github.com/SSHivang](https://github.com/SSHivang)

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## EDUCATION

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

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## 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

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## EXPERIENCE

<b>Software Engineering Intern- (The Home Depot)</b>	<b>2018</b>
<ul style="list-style-type: none"><li>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.</li></ul>	
<b>Software Developer Intern - (Face-to-Face Integrated Technologies)</b>	<b>2016-2017</b>
<ul style="list-style-type: none"><li>Prepared and integrated Crystal reports into a .Net based web application used for managing the child welfare program of the South Dakota tribes.</li></ul>	
<b>Data Analytics Intern - Hoffmann Labs (UT Computational Biology)</b>	<b>2016-2017</b>
<ul style="list-style-type: none"><li>Using R as well as data analytics libraries in Python, processed and analyzed RNA sequencing data to test for divergence in embryo stages</li></ul>	
<b>Research Intern - Molecular and Computational Biology (University of Texas)</b>	<b>2014-2016</b>
<ul style="list-style-type: none"><li>Using Perl and supercomputing technology of University supercomputer Lonestar, assembled genome from sequencing data</li></ul>	

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## PROJECTS

<b>EducationGuide, app for College Guidance (<a href="https://sshivang.github.io/">sshivang.github.io/</a>)</b>	<b>2017-present</b>
<ul style="list-style-type: none"><li>Developed an Android app with a web component that provides students recommendations on colleges and extracurricular activities</li><li>Incorporated a Python based clustering algorithm that uses the data of students with similar profiles and interests to generate suggestions.</li></ul>	
<b>Urban HeatIsland Mobile App (<a href="https://urban-heatisland-project.appspot.com/">urban-heatisland-project.appspot.com/</a>)</b>	<b>2017</b>
<ul style="list-style-type: none"><li>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</li></ul>	

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## EXTRA CURRICULARS

<b>University Computational Finance</b>	<b>2018</b>
<ul style="list-style-type: none"><li>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</li></ul>	

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## HONORS AND AWARDS

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