

SHIVANG SINGH

Personal Website: [SShivang.github.io/](https://sshivang.github.io/)
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Github: github.com/SShivang

EDUCATION

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| University of Texas at Austin | 2017-2021 |
| <ul style="list-style-type: none">Pursuing BS in Computer Science, Coursework: Data Structures, Discrete Math, Multivariable Cal | |
| Liberal Arts and Science Academy | 2013-2017 |
| <ul style="list-style-type: none">Coursework: AP Computer Science, Advanced Computer Science, Web Applications | |

SKILLS AND TECHNOLOGY

Proficient: Java, R, Python (Data Analytics), Android Studio, XML
Exposure: Perl, MongoDB, C++, HTML/CSS/JavaScript, MySQL, Bash, Git

EXPERIENCE

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| 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

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| EducationGuide, app for College Guidance (sshivang.github.io/templates/eduguide.html) | 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 a urban heat islands | |

COMMUNITY AND VOLUNTEER SERVICE

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| Hospital Volunteer - Seton Medical Center | 2014 |
| <ul style="list-style-type: none">Assisted the Case Manager's office in sorting patient files. | |
| STEM Volunteer - Austin Public Library | 2013-2014 |
| <ul style="list-style-type: none">Organized youth outreach by conducting robotics workshops for underrepresented students | |

HONORS AND AWARDS

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| Texas State University Best Scientific Writing Award | 2017 |
| State Science Fair | 2017 |
| Trustee Award (Austin ISD top 10% all 4 years of high school) | 2014-2016 |
| Austin Regional Science Fair | 2015 |
| National Spanish Exam Silver Medalist | 2014 |