

# Aimun Khan

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## EDUCATION

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<b>The University of Texas at Austin</b>	Spring 2020
<b>Bachelor of Science, Electrical and Computer Engineering</b>	GPA: 3.5
Electives: Mobile Computing (Graduate Course), Concurrent & Distributed Systems	Minor: History
<b>Bachelor of Arts, Mathematics</b>	
Electives: Predictive Analytics, Number Theory, Mathematical Statistics	

## TECHNICAL SKILLS

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<b>Proficient in:</b>	Python, C, C++, Java, Bash
<b>Familiar with:</b>	R, SQL, Swift, Assembly (ARM Cortex M4), VHDL
<b>Technologies:</b>	Docker, Git, Jenkins, Numpy, Pandas, LaTeX

## TECHNICAL EXPERIENCE

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<b>Student Development Fellow at Google</b> - <i>Contracted through Adecco (Remote)</i>	January - April 2019
<ul style="list-style-type: none"><li>· Implement predictive models on features of NCAA March Madness games</li><li>· Collaborate remotely with team members in different parts of the US</li></ul>	
<b>Software Development Intern</b> - <i>Fujitsu Network Communications (Dallas, TX)</i>	May - August 2018
<ul style="list-style-type: none"><li>· Implemented server-based multi-QEMU emulation via Docker Swarm</li><li>· Designed Amazon Echo skill to check status of Jenkins builds using AWS Lambda</li><li>· Utilized Agile development, DevOps practices, Docker, Jenkins testing, JIRA, Git</li></ul>	

## ACADEMIC PROJECTS

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<b>Basketball Predictive Analytics</b>	<i>Tensorflow, Pandas, Python</i>
<ul style="list-style-type: none"><li>· Created tool to visualize stats and new position labels for NBA players via clustering</li><li>· Used shot history of players to prove weak correlation of the hot hand phenomenon</li></ul>	
<b>Music Recommendation Prediction Model</b>	<i>Scikit-Learn, Pandas, Numpy, Python, AWS</i>
<ul style="list-style-type: none"><li>· Designed machine learning algorithm to predict music tastes based on listening history</li><li>· Cleansed and performed feature engineering on 280GB dataset</li></ul>	
<b>HackTX 2018 - Winner of Security Challenge</b>	<i>Python, JavaScript, React, Firebase, Microsoft Azure</i>
<ul style="list-style-type: none"><li>· Designed multi-factor voice authentication login client to identify speakers as password alternative</li><li>· First place Security Challenge, third overall out of 720 participants from 32 universities, 10 states/provinces</li></ul>	
<b>Freetail Hackers Spring Hackathon - Second Place</b>	<i>JavaScript, Paper.js, Howler.js, HTML</i>
<ul style="list-style-type: none"><li>· Developed web app that uses interactive audio and visuals to combat user anxiety</li><li>· Coordinated with team of four to develop audio and implement app in 8 hours</li></ul>	
<b>Web Scraping Registration Tool</b>	<i>Python, Selenium, SMTPlib, cryptography, Docker</i>
<ul style="list-style-type: none"><li>· Scrapes UT registration for opening of closed classes, emailing user within 30 seconds</li><li>· Used Selenium webdriver to log in, deployed script via AWS Docker container</li></ul>	

## LEADERSHIP EXPERIENCE

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<b>Mathematics Department Undergraduate Assistant</b> - <i>UT Mathematics</i>	January 2019 - Present
<b>Undergraduate Peer Advisor</b> - <i>UT Electrical and Computer Engineering</i>	January 2019 - Present
<b>Software Design &amp; Implementation Teaching Assistant</b> - <i>UT ECE</i>	August - December 2018
<b>First-Year Student Mentor</b> - <i>The University of Texas at Austin</i>	August - December 2018
<b>Debate Consultant</b> - <i>National Speech and Debate Association</i>	August 2016 - Present

## OTHER INFORMATION

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Interests and clubs: Guitar, Piano, Chess	Citizenship: American, Canadian
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