

## ARMAN KHONDKER

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### EDUCATION

<b>University of Texas at Austin</b> <b>GPA: X.X/4.0</b>	B.S. Electrical and Computer Engineering Technical Cores: Software Engineering and Design, Data Science and Information Processing	<b>May 2020</b>
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### EXPERIENCE

<b>PROS Inc. Software Engineering Intern</b> - Houston, Texas	<b>June 2019 - Present</b>
<ul style="list-style-type: none"><li>• Practiced Agile Development techniques with sprint planning, scrums, acceptance testing, and Jira ticket handling</li><li>• Improved Rental performance testing environment by implementing automated data generation tools for transfers</li><li>• Built a Java protocol from scratch for Group Sales Optimizer team to interface an exchange rate API</li></ul>	
<b>PROS Inc. Software Engineering Intern</b> - Houston, Texas	<b>June 2018 - August 2018</b>
<ul style="list-style-type: none"><li>• Utilized Agile Development, JIRA, Git, and other Atlassian tools in a fast-paced development environment</li><li>• Utilized React, Javascript, CSS to implement, design, and demo the Numeric Range Selector UI Pillar component</li><li>• Won 1<sup>st</sup> Place at PROS Hackathon 2018 by building a B2B pricing product that leveraged competitor prices to provide a dynamic pricing estimator and a sentiment analyzer to deliver real-time consumer feedback from YouTube comments</li><li>• Integrated Highcharts Heat Maps into the Scientific Analytics PROS Pricing Solution Suite Product</li><li>• Achieved 100% code coverage and improved SA team data visualization tools by 15% for analyst customers</li></ul>	
<b>Schlumberger Software Engineering Extern</b> - Houston, Texas	<b>January 2017</b>
<ul style="list-style-type: none"><li>• Shadowed software engineers and learned about the practical skills used in a modern software engineering workspace</li></ul>	

### SELECTED PROJECTS

<b>Twitter Tweet Polarity Analysis Bot (PROS Hackathon 2019)</b>	<b>July 2019</b>
<ul style="list-style-type: none"><li>• Built a python script to parse Tweets and determine sentiment that could be used in a pricing recommendation model</li></ul>	
<b>Amazon Price Tracker with Email Notifications</b>	<b>July 2019</b>
<ul style="list-style-type: none"><li>• Built a python app to track prices of amazon items and send an email when the item drops below a specific price</li></ul>	
<b>YouTube Comment Sentiment Analyzer (PROS Hackathon 2018)</b>	<b>July 2018</b>
<ul style="list-style-type: none"><li>• Created a python bot that uses YouTube's Data API to parse comments of videos and determine sentiment polarity</li></ul>	
<b>Critters Java Project (Software Design and Implementation II)</b>	<b>December 2018</b>
<ul style="list-style-type: none"><li>• Implemented a Java MVC to simulate a critters environment which allowed various species to spawn and interact</li></ul>	
<b>Base Stations Dynamic Programming Project (Algorithms)</b>	<b>November 2018</b>
<ul style="list-style-type: none"><li>• Designed and implemented an algorithm in Java to detect the optimal antenna range and set of base station positions</li></ul>	
<b>Blip Compiler Project (Software Design and Implementation I)</b>	<b>April 2018</b>
<ul style="list-style-type: none"><li>• Developed an interpreter/compiler in C++ for Blip, a simple procedural language, with specified syntax and behavior</li></ul>	
<b>8-Ball Pool Video Game (Embedded Systems)</b>	<b>April 2017</b>
<ul style="list-style-type: none"><li>• Utilized embedded systems to create and design a hand-held video game that simulates 8-Ball Pool</li></ul>	

### RELEVANT COURSEWORK

Algorithms, Data Structures, Software Design and Implementation I & II, Software Testing, Software Architectures, Software Lab, Digital Logic Design, Discrete Mathematics, Matrices, Probability and Random Processes, Number Theory

### SOFTWARE SKILLS

**Languages:** Java, Python, C/C++, JavaScript, ReactJS, HTML, CSS

**Tools:** Git, React, Redux, Spring, Node, Django, Flask, Anaconda, Pandas, macOS, Linux

### EXTRACURICULAR ACTIVITIES AND AWARDS

<b>Texas Instruments Scholar</b> – UT Austin Recipient	<b>October 2018 - Present</b>
<b>University of Texas Machine Learning and Data Science Club</b> - Active Member	<b>September 2016 - Present</b>
<b>University of Texas Bengali Student Association</b> - Active Member	<b>August 2017 - Present</b>
<b>University of Texas Institute of Electrical Engineers (IEEE)</b> - Active Member	<b>August 2016 - Present</b>