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ARMAN KHONDKER

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EDUCATION

Austin, TX	University of Texas at Austin	Aug 2016-May 2020
<ul style="list-style-type: none">• Major: Electrical and Computer Engineering, B.S.E (GPA: X.X)• Technical Cores: Software Engineering and Design, Data Science and Information Processing• Programming Coursework: Algorithms and Data Structures, Software Lab, Software Testing, Software Architectures, Software Design and Implementation I & II, Python Programming, Network Security and Privacy, Digital Logic Design		

EMPLOYMENT

Software Engineer, Intern	PROS Inc.	June-August 2019
PROS Group Sales Optimizer Team and Rental Team (www.pros.com): Back End Development		
<ul style="list-style-type: none">• Improved Rental app testing performance by 12% by implementing an automated transfer record generator.• Integrated exchange rate web service API into GSO to increase data precision and eliminate manual file-syncing.• Increased data precision of GSO exchange rates by five decimal places and subsequently reduced pricing inaccuracies.• Replaced 90% of legacy code in build gradle script to integrate with modern open-source Docker Plugins.• Spearheaded 3 different projects through the full software development lifecycle in a fast-paced agile environment.• <u>Leveraged knowledge</u> in Java, Spring, Gradle, Groovy, Databases, SQL, HTTP, REST, XML, Docker, and Agile.		
Software Engineer, Intern	PROS Inc.	June-August 2018
PROS Rental Team and Scientific Analytics Team (www.pros.com): Full Stack Web Development		
<ul style="list-style-type: none">• Implemented Filter Bar UI component into PROS internal UI library by utilizing React, JavaScript, HTML/CSS.• Improved SA data visualization tools by 15% by integrating a Highcharts Heat Map and achieved 100% code coverage.• Selected as 1 out of 32 interns to demo my product at monthly UI Squirrel meeting to all UI developers at PROS.• Won 1st Place at PROS intern Hackathon by building a B2B pricing product that leveraged competitor prices to provide a dynamic pricing estimator and sentiment analyzer to deliver consumer feedback from YouTube comments.• <u>Leveraged knowledge</u> in Full Stack Web Development, Javascript, React, Chrome Developer tools, and Agile.		
Software Engineer, Extern	Schlumberger	January 2017
<ul style="list-style-type: none">• Selected as 1 of 3 out of 250+ UT applicants to shadow senior software engineers and learn practical software skills.		

SOFTWARE PROJECTS

Personal Website: www.armankhondker.com (for additional information and projects)

Twitter Tweet Polarity Analysis Bot

- Built a Twitter Bot to parse Tweets and determine public sentiment scores based on natural language processing.
- Integrated sentiment scores from over 5000+ public tweets on laptop brands into price forecasting model.
- Utilized: Python, Flask, Javascript, HTML/CSS, Git, Twitter Developer Kit, Tweepy API

Amazon Price Tracker with Email Notifications

- Created a price tracker app to send an email notification when Amazon items drop below a certain price.
- Inspired by struggling to get the best deals on amazon products while being a poor college student.
- Utilized: Python, Flask, Web Scrapping, HTML/CSS, Git

Critters Animal World Project

- Implemented a Java MVC to simulate a critters environment that allowed various species to spawn and interact.
- Created an interactive GUI and 2D animal world using JavaFX framework and implemented exception handling.
- Utilized: Java, JavaFX, JUnit, Git

YouTube Comment Sentiment Analyzer

- Developed a web application that parses YouTube comments from videos to determine sentiment polarity.
- Won first place at PROS Intern Hackathon and received prize for most innovative open-source solution.
- Utilized: Python, React, Javascript, Git, HTML/CSS, YouTube Data V3 API, Natural Language Processing

• SKILLS

- **Software:** (proficient): Java, Python, JavaScript, React, C, Git, Unix, Agile (familiar): C++, Swift, SQL, HTML/CSS