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ARMAN KHONDKER

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EDUCATION

Austin, TX	**University of Texas at Austin**	**Aug 2016-May 2020**

- **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

- 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.
- Leveraged knowledge 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

- 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 Squircle 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.
- Leveraged knowledge in Full Stack Web Development, Javascript, React, Chrome Developer tools, and Agile.

Software Engineer, Extern	**Schlumberger**	**January 2017**

- 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, YouTube Data V3 API, React, Javascript, Git, HTML/CSS, Natural Language Processing

• SKILLS

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