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## ARMAN KHONDKER

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### EDUCATION

Austin, TX University of Texas at Austin August 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

### EXPERIENCE

Software Engineer, Intern PROS Inc. June - August 2019

PROS Group Sales Optimizer Team and Rental Team ([www.pros.com](http://www.pros.com)): Back End Development

- Improved Rental app testing performance by 12% by implementing an automated transfer record generator in Java.
- Integrated internal exchange rate web service API with the group sales optimization application which increased data precision of GSO exchange rates by *five decimal places* and subsequently reduced customer 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](http://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 Filter Bar at monthly UI Squirrel meeting to all UI developers at PROS.
- Won 1<sup>st</sup> 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, Node.js, Chrome Developer tools, and Agile*.

### SOFTWARE PROJECTS

**Personal Website:** [www.armankhondker.com](http://www.armankhondker.com) (for additional information and projects)

#### Twitter Tweet Polarity Analysis Bot

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

#### LineDriveBetting Aggregated Sports Betting Data Web App ([www.linedrivebetting.com](http://www.linedrivebetting.com))

- Implemented a full-stack web app that aggregates popular sports betting lines and predictions
- Utilized: *Python, React, AWS, Web Scrapping, HTML/CSS, Git, ESPN API*

#### YouTube Video Comment Sentiment Analyzer

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

#### RGK Connect Matching Algorithm Web App ([www.rgkconnectmatching.com](http://www.rgkconnectmatching.com))

- Developed a full-stack web app and matching algorithm for participants of the RGK Connect Program.
- Utilized: *Java, React, AWS, HTML/CSS, Git, Natural Language Processing*

#### Amazon Price Tracker with Email Notifications

- Created a price tracker app to send an email notification when Amazon items drop in price.
- Utilized: *Python, Flask, Web Scrapping, HTML/CSS, Git*

### SKILLS

**Software:** *Java, Python, JavaScript, React, HTML, CSS, C, C++, Git, Unix, Agile, Swift, Go, Spring, HTTP, REST, SQL*