TARUN PRINCE

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EDUCATION

The University of Texas at Austin Computer Science, B.S. December 2020
Applied Statistical Modeling, Certificate
GPA: 3.52/4.00

PROFESSIONAL EXPERIENCE

CDK Global Software Engineering Intern Summer 2020

- Utilized Spring Boot and Maven to develop and upkeep various features in different applications responsible for data ingestion and syndication
- Maintained and updated SQL schema functions and triggers in numerous applications using Liquibase and DataGrip
- Used Checkmarx to assess and remediate various reported security vulnerabilities and business logic issues

ACADEMIC PROJECTS

Pathogerm.com (REACT, Django, Python, PostgreSQL) Fall 2020

- Scraped data from WHO Athena API and GBD Disease Metrics to fill Django backend API with disease-related data
- Used REACT to create numerous visualizations and UI tools utilizing our API and Wikipedia API for various diseases
- Used multiple REACT and Bootstrap components including material-ui, recharts, and simple-maps

Livestock.us (HTML, CSS, Javascript) Spring 2017

- Created public website which details data and graphs of current stock reports in American Stock Exchange
- Handled website maintenance and integrating new display/stock-calculating features into website
- Implemented functionality and design of website primarily using Javascript

Pintos (C) Fall 2018

- Expanded simple operating system to include scheduler (as well as priority scheduling) and argument passing in stack
- Implemented virtual memory, system calls, and multi-level file indexing into the OS

Huffman Compression Algorithm (Java) Fall 2017

- Implemented Huffman coding algorithm using frequency trees to compress/decompress files
- Utilized Java input/output streams and implemented priority queue to convert filebits into Huffman format

RELEVANT COURSEWORK

- CS314: Data Structures
- CS429: Computer Organization and Architecture
- CS439: Operating Systems
- CS331: Algorithms
- CS375: Compilers
- CS373: Software Engineering
- CS371P: Object-Oriented Programming
- CS356: Computer Networks
- SDS329C: Linear Algebra

SKILLS

Languages: Java,Python, C++, Javascript, C, HTML, CSS, SQL
Methods/Technology: Jira, Maven, Spring, Bamboo, Git, Regex, UNIX/LINUX, React, Bootstrap
Other: MATLAB, R, LaTeX

ADDITIONAL INFORMATION

Related Interests: Machine Learning, Full Stack Development
Work Eligibility: Eligible to work in the U.S. with no restrictions

HONORS

- National AP Scholar Award Fall 2017
- Cy-Fair Computer Science Competition Finalist Spring 2017