

PRANAV CHANDUPATLA

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EDUCATION

The University of Texas at Austin	B.S., Computer Science	May 2023
	B.B.A., Finance	May 2023

GPA: 4.0

EXPERIENCE

PIMCO – Software Development Intern | Austin, TX June 2022 – August 2022

- Saved company \$50,000 per year by building replacement for third-party search application with ~3,000 daily active users
- Implemented a responsive user experience in **AngularJS** and **Typescript** to enable users to explore and modify search results
- Reduced response times by 50% by programmatically creating optimized **OData/REST API** queries and pagination systems
- Collaborated with business analysts, product designers, and sales personnel in **Jira** to track and improve application

The University of Texas at Austin – Data Structures Teaching Assistant | Austin, TX August 2020 – June 2022

- Increase student comprehension by leading office hours to help students with coding assignments and course material
- Provide supplementary guidance by presenting weekly lessons on data structures concepts to a group of 20 students
- Aid student exam preparation by crafting and distributing extra coding practice problems during testing weeks

Fast Enterprises, LLC – Software Development Intern | Montgomery, AL June 2021 – August 2021

- Worked with Driver Control Team in an Agile environment to implement updated drivers' service systems for Alabama
- Boosted user efficiency by creating an automated out-of-state claims sub-system that handles all steps of the license suspension process, from the initial suspension to the creation of reinstatement requirements and the reinstatement itself
- Configured dynamic data cubes to analyze and visualize data by writing logic to filter and format raw, relational datasets

PERSONAL PROJECTS

Grade Distribution Comparative Graphing Tool (*utgradedist.com*)

- Saved students an average of three hours per semester by creating a tool to visualize and rank course grade distributions
- Implemented a **MySQL** and **NodeJS** backend to build a relational database that efficiently returned queried distribution data
- Designed a web-based, front-end interface in **ReactJS** to display results in a graphical format with interactive data options

Bamboo ISA, Assembler, and Simulator

- Collaborated with a partner to create the Bamboo ISA, a custom assembly language based on CISC architecture
- Produced an assembler built in **Java** to parse Bamboo assembly code into simulator-executable machine code
- Constructed a simulated state machine and interactive terminal in **C** to execute assembled instructions on a **Linux** machine

CAMPUS INVOLVEMENT AND LEADERSHIP

University Brazilian Jiu Jitsu Club – President (*Spring 2021 – Spring 2022*) Fall 2019 – Present

- Reduced budget inefficiencies by increasing financial data collection and implementing a data-driven allocation system
- Communicated with other universities to organize and manage semesterly inter-collegiate Jiu Jitsu tournaments
- Eliminated overdue administrative forms by configuring and updating a cloud-based organization calendar

Texas Convergent – Front-End Developer on Small Business Tech Team Spring 2021

- Designed and built front-end of prototype micro-financing platform to assist with small business funding deficits
- Developed mobile application using **React Native** and facilitated back-end interactions with the **React Firebase API**

TECHNICAL SKILLS

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- **Coding Languages:** Fluent in Java | Proficient in Python, SQL, C | Experience with ReactJS, AngularJS, NodeJS, HTML
 - **Tools:** Linux OS, Github, Jira, Tableau, Qiskit, Excel

ADDITIONAL INFORMATION

Relevant Coursework: Artificial Intelligence, Neural Networks, Operating Systems, Data Structures, Algorithms

Awards: UT Austin Presidential Scholarship