

CHRISTOPHER CHEN

Software Engineer

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Summary

As a diligent Software Engineer with years of industry experience and a strong foundation in computer science, I'm hungry to apply my technical skills and passion towards meaningful projects. I'm committed to continuous learning, collaboration, and connection to drive positive change in the way we view and interact with technology as we march towards an ever-increasingly digitized world.

Skills

Languages: Java · Python · Javascript · C++ · Typescript · HTML/CSS · SQL

Concepts: Automation · Artificial Intelligence · Relational Databases · Cloud Computing · Object-Oriented Programming · Machine Learning

Tools: Angular · Pytorch · Scikit-Learn · Apache Spark · Azure · Docker · ReactJS · Github · Node.js · Oracle Database

Soft Skills: Adaptability · Strong Communication · Critical Thinking · High Detail-Orientation

Experience

State Street Corporation

Austin, TX

Cognitive Software Engineer

06/2022 - Present

- Reduced benchmark generation error margins by 10% for an AI-driven fund management application that employs linear regression to calculate benchmark returns by incorporating fund holiday calendars for index selection filtering
- Facilitated refactoring and cloud migration efforts for the application, setting up Azure DevOps pipelines and converting logic to adhere to distributed computing architecture
- Played a key role in establishing automated performance metrics to evaluate the application's performance, expediting effective monitoring of alignment with strategic objectives
- Optimized several RESTful API endpoints for the backend of a multilayered AI text extraction application, implementing logic such as the addition of LRU caching of authorization tokens to boost application performance
- Displayed high adaptability by leading on-call application deployment duties, overseeing application health, debugging sudden issues promptly, and ensuring uninterrupted system functionality
- Demonstrated strong communication skills in a multidisciplinary, international team

Intel Corporation

Austin, TX

Product Leadership and Analytics Associate

03/2020 - 04/2022

- Utilized relational databases to extract, manipulate, and analyze data, leveraging it to create compelling representations of key milestones
- Designed, monitored, and analyzed several Key Performance Indicator (KPI) visuals with PowerBI to identify trends, patterns, and potential deviations from timelines
- Built a Gantt chart web application utilizing React and NodeJS to display a user-friendly visualization of product timelines
- Leveraged strong communication skills to foster collaboration and build consensus among stakeholders with differing perspectives, ensuring a unified vision for the final deliverables
- Coordinated with team members to translate the gathered insights into actionable plans, emphasizing timely and accurate execution of projects
- Worked 20 hours during school semester, full-time during summer and winter

PDX, Inc.

Fort Worth, TX

Software Development Intern

06/2019 - 08/2019

- Developed front-end components adhering to MVC patterns and object-oriented architecture, actively participating in full-stack development
- Engaged in a collaborative partnership with the head UX designer, diligently contributing insights to blueprint an intuitive and user-centric interface
- Cooperated within a tight-knit team, employing Agile methodologies to deliver projects efficiently and adaptively

PDX, Inc.

Fort Worth, TX

Software Development Intern

05/2018 - 08/2018

- Provided integral support to the head data architect in optimizing the Java Spring backend through extensive research on diverse tools and strategies
- Engaged in code reviews and wrote unit tests to ensure code simplicity, performance, and quality standards
- Demonstrated exceptional performance during the internship, resulting in a return internship offer for the following year

Education

University of Texas at Austin

Austin, TX

Bachelor of Science in Computer Science

2018 - 2022