

Mayank Shouche

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EDUCATION

Bachelor of Science, Computer Engineering, May 2022

The University of Texas at Austin

Technical Core: Software Engineering and Design

Overall GPA: 3.83/4.00

Relevant Coursework: Algorithms, Software Design and Implementation 1 & 2, Probability and Random Processes, Software Engineering Lab, Data Science Principles & Lab

WORK EXPERIENCE

Software Engineering Intern, [athenahealth](#), 06/2020 – 08/2020

- Worked as part of an Agile engineering team using Kanban/Scrum processes
- Improved deploy confidence by building an automated Cypress end-to-end test suite integrated with Jenkins
- Raised CloudFront cache hit rate 10% by building a Lambda@Edge function deployed with CloudFormation
- Resolved user-facing bugs in a React/TypeScript & NodeJS app, utilizing analytics from Azure and Prometheus

Software Engineering Intern, [Sophos Group Inc.](#), 05/2019 – 06/2020

- Designed, developed, and delivered a productivity extension suite for Allegro energy trading software
- Utilized C# and MS SQL Server to create front-end interfaces, database schema and APIs for all extensions
- Presented productivity extension product to stakeholders and potential clients
- Created additional custom Allegro components for clients based on business requirements

PROJECTS

[Blog Engine](#)

- Wrote a RESTful API with Node.js/Express, utilizing MongoDB as a data store, to deliver blog posts
- Utilized React with Bootstrap components to create a responsive front-end that fetched posts from the API

[Pear Scripting Language](#)

- Designed the language grammar around popular languages, specifically JS, Python, and Go
- Built, in Python, a scanner and AST generator based on the grammar
- Implemented a tree-walk interpreter as well as a command-line REPL interface

Auction Application

- Designed and built a full stack auction app with a multi-threaded Java server and a JavaFX-based front-end
- Deployed the data store (a MySQL database) to AWS RDS and the server to an AWS EC2 instance
- Implemented secure user authentication by salting and hashing passwords

SKILLS

Languages: C++, C#, Java, JavaScript (ES6+), Python, CSS, HTML5, SQL

Technologies: React, NodeJS, TypeScript, RESTful APIs, MS SQL Server, Jenkins, Docker, AWS, Azure, Git, Linux

Non-technical: Agile, Scrum/Kanban, Atlassian Jira & Confluence

ACTIVITIES AND INTERESTS

Member of Seva Charities, UT Student Consulting Initiative, and HKN honor society

Personal interests include contributing to open-source software, road biking, and live music