Arthur Chen

Phone: 516-506-1738 — Email: achen1738@gmail.com
Mailing Address: 9 Sunset Blvd, Houston, Texas, 77005

EDUCATION

August 2016 - Present	Bachelor's of Arts and Sciences, **Rice University**, Houston, TX Major: Computer Science Class: Senior, looking for full-time opportunities Expected Graduation: May 2020

WORK EXPERIENCE

May 2019 - August 2019	*Full Stack Developer*, **IBM** • I worked on a web-application to configure an IBM pair-analysis algorithm that is used widely across America today. This web-application is targeted for IBM's customers, specifically their experienced data scientists. • I contributed to reducing the time required to configure IBM's algorithm from more than a month to a couple of days. I achieved this by working on both a user interface and the infrastructure needed to support a machine learning backend. • I used React, Redux, Saga, and Sass for the frontend, and Node/Express with MongoDB for the backend.

PROGRAMMING PROJECTS

Aug 2016 - Present	**Rice University** • Kernel - Implemented an operating system kernel for the Yalnix operating system. • File System - Implemented a remove file system for the Yalnix operating system. • ChatApp - A chat program with a personally designed API implemented using MVC's and a visitor design pattern. • Schlumberger - A UX/UI driven web-application built for Schlumbeger. For this project I worked as a front-end developer working with UX/UI engineers from Schlumberger.Our team used React/Redux as our front-end framework.

INDEPENDENT PROJECTS

Aug 2016 - Present	• arthurmchen.com - A personal/portfolio website built using ReactJS. • Lanes.gg (Not Hosted) - A website built using NodeJS and Express for the back-end, with a ReactJS front-end. Also, REST endpoints are used to access a MongoDB database. The website displays match-by-match data regarding a popular video game called League of Legends (https://github.com/achen1738/lanes.gg)

TEACHING EXPERIENCE

COMP 321	Introduction to Computer Systems
COMP 310	Advanced Object Oriented Programming

RELEVANT COURSEWORK

COMP 430	Intro to Database Systems	COMP 427	Introduction to Computer Security
COMP 425	Computer Systems Architecture	COMP 421	Operating Systems/Concurrent Programming
COMP 412	Compiler Construction - UG	COMP 410	Software Engineering Methodology
COMP 382	Reasoning about Algorithms	COMP 330	Tools and Models - Data Science
COMP 322	Fundamentals of Parallel Programming	COMP 321	Introduction to Computer Systems
COMP 310	Advanced Object Oriented Programming	COMP 215	Introduction to Program Design
COMP 182	Discrete Math and Algorithmic Thinking	COMP 140	Introduction to Python

SKILLS

Languages	English (native), Chinese (functional), Korean (elementary), Spanish (elementary)
Coding Languages	ReactJS (expert), CSS/SCSS (expert), Javascript (expert), Java (fluent), C (fluent), NoSQL (fluent), T-SQL/Postgres (functional), Python (functional), NodeJS (functional)
Coding Specialty	Web Development - Full Stack Developer