

Edward Lie

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Education

University of Houston B.S. in Computer Science - Dec. 2019
University of Texas at Austin B.A. in Biology

GPA: 3.96
GPA: 3.45

About Me

Programming ASP.NET · C# · C++ · HTML/CSS/JavaScript · Java · Python · Swift
DBMS Informix · MongoDB · Oracle · PostgreSQL · SQL Server
Analytics BIRT · Excel/VBA · Microsoft PowerApps/BI · SQL · R

OS iOS · macOS · Linux · Windows
Version Control DocHub · Git · SVN
Fluent in English (Native) · Mandarin

Work Experience

Triple-S Steel Holdings

JUNIOR PROGRAMMER

Houston, TX
Sep. 2018 - Now

- Utilized cross-threading, NPOI, and BIRT to implement order, distributed printing, and inventory tracking programs
- Rebuilt front and back end of traffic report portal using ASP.NET MVC 5 and Server SQL database in application deployed on IIS by working on improvement, integration, and migration from a legacy traffic management site made up of multiple smaller traffic management sites
- Automate generation of reports and flow of data and help improve UI of company SharePoint site, reporting tool, and iOS application
- Created program, site, and report generator for branch accounting, HR, and labor department tracking and reporting process

Editors International of Washington

INTERN, ENTERPRISE DATA & ANALYTICS

Humble, TX
Jun. 2018 - Aug. 2018

- Helped with rebuilding of databases and development of applications with front and back end technologies
- Built dashboards using Power BI, conducted statistical analysis, and created and maintained technology documents
- Wrote and tested scripts to enhance process automation in internal systems for customer that brings in roughly 2/3 of company revenue
- Met with and presented analysis of reports to operations team to determine opportunities process mapping and improvement solutions

PhysAssist

MEDICAL SCRIBE

Houston, TX
May 2015 - Feb. 2016

- Adapted record keeping to preferences of 30+ physicians to streamline Emergency Department workflow for 1250+ patients

Wyzant

INDEPENDENT CONTRACTED TUTOR

Sugar Land, TX
Apr. 2015 - Oct. 2015

- Increased average class scores for four students by at least one letter grade over course of semester

University of Texas at Austin

INTERN, RESEARCH

Austin, TX
Jun. 2010 - Jun. 2010

- Recipient of award for research and presentation to 1000+ employers, faculty, and students on genetic regulation of cell wall plasticity

Projects

Creation of Evenly-Spaced Streamlines of Arbitrary Density C, C++, OPENGL

- Researched and designed interactive implementation in Visual Studio to solve spatial resolution issue inherent in line integral convolution
- Developed interface that allows user control of streamline density and direction of 2D vector flow

Tunnel Traffic Threading BASH, C++, LINUX

- Used locks, condition variables, and threading to simulate flow of traffic through the Anton Anderson Memorial Tunnel
- Debugged in Bash Ubuntu Linux distribution using gdb, VS Linux, and Vim

Currency Tracker ELECTRON.JS, CSS, HTML, JAVASCRIPT, NODE.JS

- Designed and implemented stand-alone web application to notify user based on selected currency and specified target rates
- Fetches live data from API, developed unit tests, and implemented class tethering

API for Markup and Margin Determination HTML, JAVA, JERSEY FRAMEWORK, JSON, XML

- Created web API for markup and margin determination in REST environment using Apache Tomcat to host API
- Utilized Jersey 2.25.1 RESTful-based web service to script collection of protocols used to exchange data between API and server

Stock Exchange List Manager JAVASCRIPT, NODE.JS, REACT.JS

- Created application that allows user to create, read, update, and delete list of stock market companies in real-time

Lifeguard Emergency Mobile App AWS, IOS, OBJECTIVE C, POSTGRESQL, SWIFT

- Worked on database, form UI, and photo upload/downloading and responsible for ~20%+ of code coverage with focus on S3 and Twilio API
- Worked on a team of 7 to write unit tests and engaged in continuous integration in a test-driven development process using XCTest
- Project managed with CocoaPods, built using AWS Cognito, EC2, RDS, S3, and Twilio, and tested against Jenkins to ~98% overall coverage

Personal Portfolio Site DJANGO, PYTHON

- Created website using Django web framework for a more personalized presentation of what I have on LinkedIn

Extracurriculars

Full Time Training in Anaheim OUTREACH ASSOCIATE

Anaheim, CA

- Community service program emphasizing leadership, counseling, and coordination with students from 25+ countries Aug. 2013 - Jul. 2014

Church in Anaheim AUDIO/VIDEO TECHNICIAN

Anaheim, CA

- Operated camera and studio equipment for sound control, amplification, and meeting recordings for up to 500 people Mar. 2014 - Jun. 2014