

# ISAAC YEANG

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<b>OBJECTIVE</b>	Seeking an internship in a software engineering role for summer 2022.		
<b>EDUCATION</b>	<b>Texas A&amp;M University (TAMU)</b> , College Station, Texas <i>Bachelor of Science in Computer Science</i> , December 2022 Cumulative GPA: 3.8		
<b>RELEVANT COURSEWORK</b>	Data Structures & Algorithms Machine Learning	Design & Analysis of Algorithms Intro to Computer Systems	Programming Studio
<b>TECHNICAL SKILLS</b>	C#/C++ .NET Development	Java Android Development	Python Web Development Linux
<b>PROJECTS</b>	<b>Geo-Eats App</b> <ul style="list-style-type: none"><li>Designed UI via Figma and implemented using HTML/CSS/Bootstrap</li><li>Utilized PostgreSQL to implement login/registration system and store user information</li><li>Employed several APIs for content and deployed on Heroku</li><li>Exercised Scrum design methodology throughout six weeks</li></ul> <b>Movie Recommendation App</b> <ul style="list-style-type: none"><li>Implemented cross-platform frontend using Java Swing</li><li>Designed and implemented PostgreSQL database relations</li><li>Utilized Waterfall design methodology throughout four weeks</li></ul> <b>Character Prediction</b> <ul style="list-style-type: none"><li>Utilized PyTorch to predict next 10 letters from previous 30 letters</li><li>Experimented with different layering schemes (ie: LSTM, linear vs softmax)</li><li>Increased prediction accuracy from 0.2% (guessing) to ~14.1% (via model)</li></ul> <b>Multi-threaded IPC</b> <ul style="list-style-type: none"><li>Utilized Linux system calls to communicate between processes</li><li>Created multiple threads to speed up communication</li><li>Implemented Bounded Buffer structure to eliminate race conditions</li></ul>		
<b>WORK EXPERIENCE</b>	<b>Eyeland Vision</b> , Corpus Christi, TX <i>Office Assistant</i> ( 40 hours/week), Summer 2018, 2019 <ul style="list-style-type: none"><li>Created patient database in Access to securely store records</li><li>Managed front desk by scheduling appointments and maintaining records</li></ul> <b>CC Optometric</b> , Corpus Christi, TX <i>Office Assistant</i> ( 24 hours/week), Summer 2016, 2017 <ul style="list-style-type: none"><li>Wrote payroll calculator in Excel to increase workflow</li><li>Managed appointments and records by communicating with patients</li></ul>		
<b>ACTIVITIES</b>	<b>Aggie Coding Club</b> , August 2020 – May 2021 <b>HowdyHack</b> , September 11, 2020		
<b>RELATED HONORS</b>	<b>Dean's Honor Award (TAMU)</b> <b>Eagle Scout</b>	Fall 2020, Spring 2021 January 2020	