

## Daniel Tian

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### EDUCATION

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<b>The University of Texas at Austin – Center for Professional Education</b>	May 2019
Certificate: Full Stack Web Development	

<b>The University of Texas at Austin</b>	Bachelor of Science, Mechanical Engineering	May 2018
	Certification: Elements of Computing	
	Overall GPA: 3.84	

**Relevant Coursework:** Introduction to Programming, Elements of Databases, Elements of Data Visualization, Elements of Software Design in Python, Elements of Web Programming

### ACADEMIC PROJECTS

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<b>The University of Texas at Austin – Center for Professional Education - LiveMerch</b>	March 2019
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- Web application built with Bootstrap and JQuery to allow users to search for upcoming concerts of favorite artists or nearby location of choice and buy merchandise for the concerts
- Designed the backend using the SongKick API to pull data of upcoming events and artists
- Coordinated with a team of three on the front-end design and interaction with eBay API to search related merchandise

<b>CS 329E – Elements of Web Programming – BorrowBrigade Website</b>	Spring 2018
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- Created web application using HTML5, CSS3, and JavaScript to give users a tool to keep track of items borrowed from multiple locations
- Designed login and registration system to enable users to create unique accounts and have access to request which item to borrow
- Collaborated with team of three on the design and implementation of the website

<b>CS 329E – Elements of Databases - Music Brainz and Discogs Music Database</b>	Spring 2017
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- Created a single database in SQL by combining two music datasets according to common artists
- Performed query analysis to explore database according to ten questions of interest
- Produced visualizations and interactive report of queries using Amazon QuickSight and presented the discoveries

<b>CS 329E – Elements of Data Visualization - Shiny and Tableau Visualizations</b>	Fall 2016
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- Imported and combined multiple datasets in SQL regarding crime rates and degree of law enforcement in the United States
- Used R and Tableau to analyze combined dataset in order to find correlations between the datasets
- Developed Shiny dashboard application to display two interactive visualization

### WORK EXPERIENCE

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<b>Bay and Associates, Inc.</b>	June 2018 – February 2019
<i>Mechanical Designer</i>	

- Collaborated with lead engineer, plumbing and electrical designers, and architects on multiple projects to ensure proper design requirements within local city codes and customer requirements

<b>Encotech Engineering Consultants, Inc.</b>	Summers 2016 & 2017
<i>Intern</i>	

- Managed drafting revisions for HVAC, electrical, and plumbing design details and systems, finishing project within two months
- Coordinated with project engineers and clients to update and organize construction documents, multitasking on several projects

### ACCOMPLISHMENTS

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• University Honors (6 semesters)	Fall 2013 – 2018
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### ADDITIONAL INFORMATION

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**Programming Languages:** HTML5, CSS3, JavaScript, PHP, jQuery, Python, Java, SQL

**Work Eligibility:** Eligible to work in the U.S. with no restrictions