Mitchell Che

mitchellche.com | mc.mitchell.67@gmail.com | (832)-310-9451

Education

The University of Texas at Austin *May 2020*
Bachelor of Science in Mechanical Engineering
GPA - 3.45/4.00

Texas Academy of Mathematics and Science *2014 - 2016*
Two-year residential early entrance college program focused on STEM education
GPA - 3.80/4.00

Work

Epic Systems – Technical Solutions Engineer *Mar 2021 - Present*
Madison, WI
- Solved integrated issues in electronic medical record software through root cause analysis, debugging, and documentation review
- Advised and guided client healthcare IT teams for impactful feature implementation in ambulatory clinical care that align with organizations' needs
- Developed and reviewed code to analyze clinical information at over 400 health systems

Mathnasium of South Austin - Instructor *2017 – 2019*
Austin, TX
- Worked with students grades 1-12 and taught math concepts with an approach specifically catered to each individual student
- Participated in special training and workshops to develop effective communication and teaching skills

Projects

Top Song Guesser – https://github.com/MitchellChe/website/tree/master/public/topsong *Summer 2020*
- Developed web application using Node.js to get top song data from Spotify's charts for a browser guessing game
- Fetched additional data from Spotify's API with OAuth 2.0 authentication methods
- Deployed using an AWS Elastic Beanstalk environment with connected GitHub continuous deployment pipeline

UTME Sensor *Spring 2020*
- Designed a multiwavelength temperature sensor for implementation in UT's selective laser sintering (SLS) additive manufacturing machines
- Researched and developed concept solutions to improve upon existing technology by reducing error from variable emissivity
- Created 3D CAD model using parts sourced per sponsor's budget and specifications

3D Food Printer *Fall 2019*
- Designed, modeled, and fabricated fully functioning budget 3D printer to convert G-Code into extruded icing patterns
- Collaborated with group members and utilized concept generation methods such as 635, Mind mapping, & Pugh charts to streamline & optimize design process

Additional Information

Computer: Python, HTML, CSS, JavaScript, MUMPS, Java, MATLAB, SolidWorks, Microsoft Office
Languages: English, Mandarin, conversational Japanese and Spanish
Eligibility: US Citizen