JOHNATHAN TRAN

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EDUCATION

The University of Texas at Austin   May 2020

Bachelor of Science, Mechanical Engineering

Certificate, Elements of Computing

GPA: 3.23/4.00

Relevant Coursework: Materials Engineering, Machine Elements, Fluid Mechanics, Engineering Statistics, Solids, Dynamics, Engineering Design and Graphics, Computing Methods, Thermodynamics, Software Design

WORK EXPERIENCE

Undergraduate Research Assistant, University of Houston   Jun 2017 - Aug 2017

- Set up and conducted experiments to efficiently disperse heat from computer chips
- Studied liquid cooling technology by analysis of boiling instabilities in a microchannel heat sink
- Acquired and graphed data using Benchlink Data Logger software
- Troubleshooted technical and software issues to ensure research continued on schedule

Instructor, Mathnasium   Mar 2016 - Present

- Facilitated academic success of over 20 students daily through patient instruction
- Utilized curriculum to meet individual needs of students grades K-1 2
- Assessed student performance and communicated progress reports to parents

Private Tutor   Jun 2017 - Aug 2018

- Created and managed weekly learning plans for each individual student
- Assigned and graded homework for up to 4 students a week
- Tutored students from elementary to college level subjects

Stock Associate, American Eagle Outfitters   Jun 2018 - Aug 2018

- Assisted customers with product selection and item retrieval from stockroom
- Coordinated with sales team to replenish merchandise on sales floor
- Organized inventory and stocked store shipments in fast paced work environment

ACADEMIC EXPERIENCE

Personal Website   Aug 2018

- Built website to compile engineering projects and facilitate networking
- Created fully responsive design using HTML, CSS, and Bootstrap

Design Collective   Jan 2017 - May 2017

- Collaborated with team members to work on designing mobile app
- Conducted surveys and interviews to supplement design research
- Studied design techniques and application in weekly meetings

SKILLS AND AWARDS

Software: Autodesk Inventor, SolidWorks, MATLAB, Adobe Illustrator/Photoshop, Microsoft Office Suite
Languages: Python, HTML/CSS
Awards: 2nd place Biomedical Engineering Case Competition (Nov 2016)
Other skills: Machining, Rapid Prototyping, Vietnamese, Graphic Design