THOMAS MARTINSON

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EDUCATION

Bachelor of Science in Computer Science　　　　　　　　　San Diego, CA

San Diego State University　　　　　　　　　　　　　　　　December, 2019

Relevant Courses:
- Computer Simulation & Modeling
- Data Structures
- Operating Systems
- Database Theory and Implementation
- Algorithms & Their Analysis
- Computer Architecture

SKILLS

- C, C++, Java, and Python
- Windows, Linux and UNIX operating systems
- Database Implementation using SQL
- Front-end web development knowledge using HTML and CSS

RELATED EXPERIENCE

Technical Project, RoboSub Team (Finalist, 6th of 54 teams)　　　Summer 2019 - Present
- Helped construct autonomous underwater vehicle to perform navigation and manipulation tasks
- Worked with international team of mechanical, electrical, and software specialists
- Assisted in training YOLOv3-tiny deep neural network to detect mission objectives in Raspberry Pi 3 vision module

Course Project, Diet & Exercise Model　　　　　　　　　　Spring 2019
- Identified an issue affecting society that could be addressed by computer simulation
- Created a continuous health model using Python to predict a user's change in weight
- Integrated Matplotlib to generate user-friendly graphs to visualize progress

Personal Project, www.tmartinson.com　　　　　　　　　　Summer 2018
- Developed personal website using HTML, CSS and open-source JavaScript
- Implemented browser compatibility to provide a consistent user-experience
- Designed website to be flexible and responsive by using a dynamic layout

EXPERIENCE

Office Assistant　　　　　　　　　　　　　　　　June 2018 - August 2018

Branson & Branson, LLP, San Diego, CA
- Coordinated with coworkers and upper management to identify and correct inefficiencies in office processes
- Researched, ordered, and installed computer hardware to enhance functionality for staff computers and improve workflow
- Calculated and recorded time and expenses in practice management software as per office protocol

Office Assistant　　　　　　　　　　　　　　　　May 2016 - August 2017

Fay & Lawler, San Diego, CA
- Improved efficiency of retrieving client data by transferring all hard copy case files to soft copies on a local server
- Organized scheduling of attorney-client meetings and communications
- Communicated with clients via telephone, memos, letters and emails to answer queries and provide details on cases