MICHAEL YEH

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🌐 ImMichaelYeh.github.io

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📍 San Diego, CA

⚙ ImMichaelYeh

Skills

CODING LANGUAGES

ARM Assembly
Batch
C
C#
C++
Java
Python
R
Unix Shell

DEBUGGING TOOLS

GDB
JDB
JUnit
Mockito
Python DocTests
Valgrind

MISCELLANEOUS

3D Modeling
3D Printing
Android Studio/App Development
Fusion360
Git/GitHub
IntelliJ
JavaFX
Liquibase
Mathematics
REST
Selenium
Spanish Language
Spring Boot
Visual Studio Code

WEB-DEVELOPMENT

Bootstrap
CSS
HTML 5
JavaScript

Education

University of California - San Diego   Sept. 2018 to June 2022

Bachelor's in Mathematics - Computer Science 2022
Area of Study in Cognitive Science
GPA: 3.5

Employment

Cubic Corporation - Cubic Transportation Systems   San Diego, CA
Java Agile Scrum Team Intern   June 2021 to Sept. 2021

- Developed a test harness for the company to be able to test product features in a closed environment. The test harness utilizes REST API calls, an API proxy layer, web service layer, service layer, and database layer.
- Improved software build reports through managing and updating applications as well as fixing broken JUnit test cases.
- Achieved a better understanding of how to utilize GIT in an enterprise environment.
- Learned how to use the IntelliJ IDE and its integrated debugging and GIT tools.

Self-Employed
Java, Python, and Math Tutor For College Students   2014 to Current

- Create graphics and visuals to assist students in understanding topics covered in students' college courses through various graphics software such as Paint.net, Photoshop, and other course-related softwares.
- Help students complete assignments by advising students on appropriate techniques and algorithms to use based on the context and assignment both in person and online.
- Explain concepts in different ways in order to improve comprehension.

Projects

ImMichaelYeh.github.io   June 2019 to Current

- This is my portfolio website that I created by hand!
- Written in Javascript, HTML, CSS, and Bootstrap.
- Contains extra information about me and projects I have done!
- Features projects written with Java, JavaFX, Selenium, and more!

3D Printing Business   2020 to Current

- 3D model unique parts for customers using CAD programs such as TinkerCAD or Fusion360.
- 3D print models using FDM printers for customers.
- Maintain 3D printers through replacing parts, maintaining bed level, and calibrate material profiles to create optimal parts.

Volunteering

USA Archery · Certified Archery Instructor/Coach   Mar. 2020 to Mar. 2023

I am a part of UCSD competitive archery team. Because I enjoy the sport so much, I decided that I wanted to get certified as a coach to further my knowledge of the sport and so that I can teach others the sport safely and correctly! With this skill, I have been able to guide new archers to be able to shoot better and enjoy the sport more!

Related Coursework

CSE 11 & 12: Data Structures and Object-Oriented Design

- Studied multi-threading in Java and JavaFX.
- Created data structures such as stacks, queues, heaps, and binary trees in Java, C, and C++.

CSE 30: Computer Organization and Systems

- Worked in C and ARM Assembly to develop an understanding of computer architecture and low-level computer programming.

COGS 3: Front-End Development Tools

- Created a portfolio with HTML, CSS, Bootstrap 4, JavaScript, and Photoshop.

MATH 20C-E, 103, 109, 170a, 183: Honors and Upper-Division Mathematics

- Honors differential, vector, and multi-variable calculus.
- Upper-division courses for field/group theory, mathematical reasoning, analysis, linear algebra, and statistics.

CSE 100, 101, & 105: Advance Data Structures, Algorithm Design & Analysis, Theory of Computation