

# MICHAEL YEH

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📍 San Diego, CA  
🌐 ImMichaelYeh

## Skills

### CODING LANGUAGES

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

### DEBUGGING TOOLS

AssertJ  
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  
Bachelor's in Mathematics - Computer Science 2022  
Area of Study in Cognitive Science  
GPA: 3.55

Sept. 2018 to June 2022

## Employment

UCSD Recreation  
Archery Beginner and Intermediate Course Instructor  
La Jolla, CA  
Jan. 2022 to Current

- Acquired a Level 2 USA Archery Coaching Certification.
- Teach beginner and intermediate archers how to shoot according to the National Training System for archery.

Cubic Corporation - Cubic Transportation Systems  
Java Agile Scrum Team Intern  
San Diego, CA  
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.

## 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 Current

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

Computer Science Engineering Courses: CSE 11, 12, 15L, 30, 100, 101, 105

- Data Structures & Objected Oriented Design. (Java, C, and C++)
- Computer Organization & Systems Programming. (C and ARM Assembly)
- Software tools and techniques.
- Upper-division courses for advanced data structures, algorithm design and analysis, and theory of computation.

COGS 3: Front-End Development Tools (HTML, CSS, Bootstrap 4, JavaScript, Photoshop)

Mathematics Courses: MATH 20c-e, 103a&b, 109, 142a&b, 157, 170a&b, 183, 185, 157

- Honors differential, vector, and multi-variable calculus.
- Upper-division courses for field/group theory, mathematical reasoning, analysis, linear algebra, discrete math, combinatorics, and statistics.
- Upper-division courses for computational numerical approximation, cryptography, and machine learning.
- Upper-division course for mathematical software.