

# Timothy Chu

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## EDUCATION

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**University of Maryland, College Park** | Honors College | B.S. Computer Science Expected May 2024

- GPA: 3.96
- Coursework: Object Oriented Programming I & II, Computer Systems, Discrete Structures, Applied Probability & Statistics, Linear Algebra, Calculus I & II, Algorithms, Programming Languages, Data Science
- Scholarships: National Merit and UMD Presidential

## WORK EXPERIENCE

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**Chinese Bible Church of MD** | Software Development Intern Jun '19 – Jul '19, Jun '20 – Jul '20

- Designed and developed a mobile game in Unity and deployed working beta to an iPhone with Xcode
- Updated the Church's authentication app on the Google Play Store
- Assisted in Sunday service livestream operations and fixing the Church's networking issues

**CAPA iTeach** | Team Leader and Teacher Feb '19 – Sep '20

- Coordinated a team of tech support volunteers and English teachers at a local senior center
- Organized Zoom classes for seniors to learn basic English grammar and vocabulary
- Provided weekly tech support to Chinese-speaking seniors

**Private SAT Tutor** | Tutor Jul '22 – Aug '22

- Prepared two high school students for the SAT college entrance exam
- Spent two hours a day for six weeks teaching the reading, language, and math sections
- Improved each student's SAT score by over 150 points on mock exams

**University of Maryland** | Grader Sep '22 - Ongoing

- Grader for AOSC200/AOSC201 (Weather and Climate) classes

## PROJECTS

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### JConverter

- Built a GUI-based offline application that utilizes the Java Open Document library to convert file formats
- App provides file conversion and features for searching and editing text

### Space Shooter Game

- Built a mobile asteroids game in Unity deployed to an iPhone
- Designed and implemented game logic with C#

### Personal Website

- Designed and built a personal website with React.js

### SMP Minecraft Server

- Hosted Minecraft server on a Linux server for up to 10 friends to play
- Utilized command line skills to install, maintain, and upgrade server with plugins

## SKILLS

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- Programming: Java, C, Python, Linux command line, HTML/CSS, Git
- Video Editing: Davinci Resolve
  - 650 subscribers on YouTube, videos collectively generate 700k+ views
- Drone Piloting: UAS4STEM East Coast Champions
- Mandarin: TOCFL B2 Certification

## INTERESTS

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- Running, Video Editing, Biking, Drawing, Aquariums