

Owen Luo

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EDUCATION

UNIVERSITY OF MARYLAND, COLLEGE PARK

B.S. IN COMPUTER SCIENCE

MINOR IN STATISTICS

Expected May 2021 | College Park, MD

GPA: 3.76 / 4.0

LINKS

Github: github.com/luoowen

Gitlab: git.dev.technetlabs.org/luoowen

LinkedIn: linkedin.com/in/luoowen

Personal Website: luoowen.github.io

COURSEWORK

UNDERGRADUATE

Organization of Programming Languages

Algorithms

Discrete Structures

Computer Systems

Object-Oriented Programming

Linear Algebra

Multivariable Calculus

Applied Probability and Statistics

SKILLS

PROGRAMMING

Languages:

Java • C • C++ • Javascript •

Python • MATLAB • HTML •

CSS • Assembly • Markdown

Frameworks:

React • React Native • Flask

Other:

MySQL • MongoDB • REST • Git

AWARDS

2019 Winner • EqualsEquals Capital One
Best Financial Hack

2019 Winner • EqualsEquals Best Hack

2018 Runner Up • Bitcamp Decentralize
Everything: Blockchain Challenge

2017 3rd place • Montgomery College
Programming Competition

2017 1st place • Lockheed Martin Code
Quest Regionals, Novice Division

EXPERIENCE

MIND LAB | FULL STACK RESEARCH PROGRAMMER

(Maryland Information and Network Dynamics)

Feb 2019 - Present | College Park, MD

- Self-taught and utilized React Native to develop an IOS and Android compatible activity tracking mobile application
- Employed a RESTful API through Python Flask connecting to a MySQL database to send and store data used for research analysis
- Mobile Application Summer Team Head leading progress for three others

ACTIONET | DESKTOP SUPPORT INTERN

July 2017 - Aug 2017 | Vienna, VA

- Assembled, disassembled, and imaged laptops for 40+ employees
- Assisted clientele with tech issues, ranging from password resets to setting up workspaces (laptops, printers, etc.)

PROJECTS

SHARED PAPER | [GITHUB.COM/ANDYXIAO1/SHARED-PAPER](https://github.com/ANDYXIAO1/SHARED-PAPER)

April 2019 | JavaScript, React Native, MongoDB, Socket.IO, Node.js

An IOS mobile application which allows synchronous canvas collaboration. The application is able to store accounts, files, and marks in database to allow devices to access data and sync.

BLADE CARD GAME | [GITHUB.COM/LUOOWEN/BLADE-CARD-GAME](https://github.com/luoowen/blade-card-game)

May 2018 | Java

Recreated the Blade mini game from The Legends of Heroes using Java. The program incorporates the Model-View-Controller architectural pattern and uses synchronized threads to allow players from different computers connect to the same IP and play.

UMCP TASA WEBSITE | [UMCPTASA.ORG/](https://umcptasa.org/)

April 2019 - Present | HTML, CSS, JavaScript

Redesigned and maintain the University of Maryland College Park Taiwanese American Student Association website.

PAPERS

EXPLORING THE ENTRAINMENT OF ELECTRICAL BRAIN ACTIVITY THROUGH BINAURAL BEAT SIMULATION.

July 2019 - Present | Python, Project Jupyter

Determine whether binaural beats of a specific frequency will increase the relative power of the corresponding brain wave to the played frequency.

ACTIVITIES

TAIWANESE AMERICAN STUDENT ASSOCIATION | WEBMASTER

April 2019 - Present | College Park, MD

In charge of developing and maintaining the UMCP TASA website and mobile application

BOY SCOUTS OF AMERICA | EAGLE SCOUT

Sept 2008 - April 2018 | Rockville, MD

Organized a donation drive (400+ houses) to obtain equipment (laptops, flags, etc.) for the Boys & Girls Club