

OWEN LUO

(301) 979-8643 · olo@umd.edu
24 Case St, Gaithersburg, MD 20878
github.com/luoowen · linkedin.com/in/luoowen

EDUCATION

- University of Maryland, College Park**, College Park, MD *Expected May 2021*
- **B.S. in Computer Science**, GPA: 3.85
 - **University of Maryland Semester Academic Honors (Dean's List)**
 - **Coursework**: Discrete Structures, Computer Systems, Object-Oriented Programming II, Linear Algebra, Applied Probability and Statistics
 - **College Park Scholars: Environment, Technology, and Economy**
 - Invitation only active learning program to explore the relationships among natural and built environments, advances in technology and efficiency, and the impact of economic sectors
 - Examine current development in sustainability and work to facilitate sustainable initiatives on campus

SKILLS

Java, React Native, C, JavaScript, Node, MongoDB, C++, HTML, Assembly, MATLAB, VPython

EXPERIENCE

- Maryland Information and Network Dynamics Lab**, Research Intern, College Park, MD *February 2019 - Present*
- Self-learning and utilizing React Native to develop an IOS and Android activity tracking mobile application
 - Utilize PHP framework to send data and conduct analysis on voice and activity data to identify heartrate
 - Work closely in a team of seven to help make breakthroughs in the Semantic Web
- ActioNet**, Desktop Support Intern, Vienna, VA *July 2017 – August 2017*
- Assembled, disassembled, and imaged laptops for employees
 - Assisted clientele with tech issues, ranging from password resets to setting up workspaces (laptops, printer, etc.)

HONORS & AWARDS

- *EqualsEquals Capital One Best Financial Hack* – Winner *March 2019*
- *EqualsEquals Best Hack* – Winner *March 2019*
- *Bitcamp Decentralize Everything: Blockchain Challenge* – Runner-up *April 2018*
- *Richard Montgomery Programming Competition* - 5th place *October 2017*
- *Montgomery College Programming Competition* - 3rd Place *April 2017*
- *Lockheed Martin Code Quest Regionals, Novice Division* - 1st Place *April 2017*

PROJECTS

- Shared Paper** <https://github.com/andyxiao1/shared-paper> (React Native, MongoDB, Socket.IO, Node.js) *April 2019*
- IOS mobile application which allows synchronous canvas collaboration
 - Stores accounts, files, and marks in database to allow devices to access data and sync
- Flow** <https://devpost.com/software/flow-eoq8s2> (React Native) *March 2019*
- IOS and Android compatible mobile application to easily keep track of income and expenses
- Blade Card Game** <https://github.com/luoowen/Blade-Card-Game> (Java) *May 2018*
- Incorporates the Model-View-Controller architectural pattern by using graphical user interface
 - Utilizes threads to let players from different computers connect to the same IP and play together
- Personal Website** luoowen.github.io (HTML, CSS, JavaScript) *April 2018*
- Constantly updated website using HTML5UP in order to present my interests and hobbies

ACTIVITIES

- UMCP Taiwanese American Student Association**, Webmaster, College Park, MD *April 2019 – Present*
- In charge of developing and maintaining the UMCP TASA website and mobile application
- Boy Scouts of America**, Eagle Scout/Junior Assistant Scoutmaster, Rockville, MD *September 2008 – April 2018*
- Organized a donation drive (400+ houses) to obtain equipment (laptops, flags, etc.) for the Boys & Girls Club