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| Ryan Low | [rylow88@gmail.com](mailto:rylow88@gmail.com) | (610) 608-4088 [linkedin.com/in/ryanwlow](https://www.linkedin.com/in/ryanwlow) | [github.com/RyanLow](https://github.com/RyanLow) | [ryanlow.me](https://ryanlow.me/) |

# Education

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| **University of Maryland, College Park** | 2021 ­– Dec 2022 (expected) |
| Master of Science, Computer Science GPA 4.0  Research interest in artificial intelligence and machine learning |
| **University of Maryland, College Park** | 2018 ­– 2021 |
| Bachelor of Science, Computer Science and Mathematics GPA 3.94, Cum Laude, Dean’s List every semester  Selected coursework: Machine Learning, Data Science, Software Engineering, Data Structures, Algorithms, OO Programming, Computer Vision, Multivariable Calculus, Linear Algebra, Statistics |

# Skills

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| Languages: Python, Java, JavaScript, C, C++, C#, OCaml, R, SQL, MATLAB, HTML, CSS  Libraries and Tools: PyTorch, TensorFlow, scikit-learn, AWS, Kubernetes, Docker, Jenkins, React.js, Node.js, Git, Coq |

# Experience

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| **Software Engineering Intern** — Capital One, McLean, VA | Jun – Aug 2022 |
| * Developed a proof-of-concept workflow that collects and displays information about feature datasets to give data scientists greater insight and confidence in their machine learning models. * **Utilized AWS to host data storage and proxy API for retrieving results. Created a React.js webpage which calls the API and produces charts containing the feature dataset information.** * **Conducted knowledge transfer meetings to facilitate further workflow development.** |
| **Software Engineering Intern** — Suvoda, Conshohocken, PA | Jun – Aug 2021 |
| * Researched areas for future innovation in Suvoda’s clinical trial platform and proposed several machine learning approaches (e.g., time series regression), libraries and tools for solutions. * Analyzed data stored in Microsoft SQL Server databases qualitatively and with SQL queries to report on strengths and pitfalls for use in proposed machine learning approaches. * Presented research findings to senior management of Product Development. |
| **Web Development Intern** — PastRx, Jenkintown, PA | Jun – Aug 2018 Jun – Aug 2017 |
| * Reformatted a template for computer-generated patient reports written with Polymer 1.0 to improve readability for doctors and pharmacists. * Initiated the porting of over 20 legacy webpages from Polymer 1.0 to React.js, and refactored code to improve code efficiency and readability. |

# Projects

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| **VLEARN** | Oct – Dec 2020 |
| * Collaborated with kinesiology researchers at UMD to design a Unity web application for conducting basic motor task experiments with test subjects virtually during COVID-19. * Implemented live data collection during experiments with C# and JavaScript, helping researchers gather data from hundreds of trials for their own analysis. |