Saivardhan Mada

Email: saivardhanmada@gmail.com | **Github:** https://github.com/smada2017 | **Website:** https://smada2017.github.io
Phone: 703.585.5446 | **Address:** Chantilly, VA 20152 | US Citizen

Education

Georgia Institute of Technology   December 2020
- Honors Program, Major: Computer Science
- GPA: 3.73

Thomas Jefferson High School for Science and Technology   June 2017
- Governor's Regional School; Advanced Studies Diploma (2017)
- GPA: 4.23/4.0; National AP Scholar

Achievements: District and Regional Winner for Extemporaneous Speaking for Forensics Debate, Attained Silver Status in USA Computing Olympiad, and Qualified for American Invitational Mathematical Exam

Technical Skills

- **Proficient:** Python, Java, R, & Bootstrap
- **Knowledgeable:** HTML5, CSS, JavaScript, Android Studio, GIT

Experience

Microsoft   Summer 2018
Incoming Explorer Intern
- Rotational program that will involve Project Manager and Software Development roles while developing features for Windows Store

National Institute of Mental Health (N.I.H.)   September 2016 – August 2017
Research Intern, Neuroscience Department
- Implemented Machine Learning algorithms (Random Forest) to find SNPs (Single Nucleotide Polymorphism) involved in ketamine response in OCD (Obsessive Compulsive Disorder) patients and antidepressant efficacy in Major Depressive Disorder

George Mason University – Krasnow Institute   June 2015 – August 2015
Research Intern, Neuroscience Department
- Modeled Hippocampal CA1 Neurons utilizing Python with pyMoose package

Projects

WeLocate   October 2017
- Web application built using HTML, CSS, JavaScript, Yelp API, Amazon Web Services and Python
- Calculated informational statistics for small businesses and created a heat map of successful locations using a machine learning model
- Won Most Disruptive Hack (Red Venture), Best Financial Hack (Capital One) - VandyHacks

Life Alert and New Motion Sensing Technology Mobile App   February 2016
- Mobile application programmed to work with a motion sensor to automatically complete a series of tasks with simple hand gestures
- 2nd Place Award – TJ Hacks

Drunk Driving Prevention Mobile App   August 2015
- Introduces scientifically-researched "drunk tests" as a series of games on mobile phones; application automatically calls for a cab if user fails tests

Activities and Membership

Emerging Leaders, Freshman Leadership Organization   August 2017-Present
Investment Committee, Georgia Tech Student Foundation   August 2017-Present
Captain of Speech and Forensics Team, TJHSST   September 2014 – June 2017
Computer Team, TJHSST   September 2013 – June 2017

Publications and Licenses

Pending Publication for Computational Model of CA1 Hippocampal Neuron
GNU License for Neuron Morphology Condenser and Converter