Ellicott City, MD
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P a d m a v a t i E m a n i

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Education

College Park. MD	**University of Maryland College Park**	August 2016 - May 2020

- BS in Computer Science, Minor in Cybersecurity and Upper Level Concentration in Art
- Classes: Data Structures, Algorithms, Discrete Math, Object Oriented Programming, Android, Networks, Digital Forensics, Digital Art, Digital Media, 3-D Modeling

Work

Security/Software Engineer	**Flatiron Health**	June 2019 – August 2019

New York, New York
- Established a way to determine over-privileged users from Flatiron's 900+ employees by developing an in house tool that implements least privilege to protect sensitive, patient data.
- Leveraged Duo's Cloudtracker tool and the AWS IAM boto3 API to create an automatic alert system in Splunk
- Built this tool using Python (Flask frameowrk) and migrated data into a SQL database with SQLalchemy. Housed this data in a csv file and configured it to push data into my Splunk dashboard.

Cyber Intern	**Lockheed Martin**	May 2018 – August 2018

Hanover, Maryland
- Supported Sikorsky, a helicopter company, by securing it's aircraft that was specifically used for transferring refugees, weapons, and food
- Conducted vulnerability analysis on this helicopter's avionics interface using Nessus and Wireshark.
- Critiqued and recommended new penetration testing tools to use including Ostinato

Software Engineer	**Nisus Technologies**	May 2017 – August 2017

Columbia, MD
- Migrated employee data from a simple text file to a database
- Compiled data in a NoSQL database using MongoDB and Python

Skills

- **Programming Languages:** Java, Python, Django, SQLalchemy, AWS-IAM API, Bash-Terminal, Linux and MacOS, WebDev(HTML,CSS,Java Script-Node and Express)
- **Other Tools**: Wireshark, Splunk, Adobe Suite, Microsoft Office, Kali Linux, Arduino IDE, Kubernetes

Projects

- **Envision** Co-founder for a startup that is developing a platform for interns and their managers to give and receive continuous feedback. This is an effort to improve internship experiences and establish a method for evaluating interns to rehire. *Django,React*
- **Digital Image Creation** Created a digital collage on Supernatural Chaos while working with different file formats, input devices, filters and masks,transformation, and other elements of 2D design. *Adobe Photoshop*
- **Monitoring Firewall** Deploying honeypots on a Kubernetes platform to investigate attackers trying to bypass a firewall *Kubernetes, Bash*
- **Lockheed Arduino Project** Applied face recognition features using an arduino nano controller and OpenCV to a camera and coordinated its movements to specific sounds. *Open CV, Arduino, Processing*

Awards and Activities

- **Design Director for AIGA** Selected from a pool of applicants to create designs for AIGA (American Institute for Graphic Arts) events on campus
- **Grace Hopper Scholar and Attendee 2018** Selected by the Maryland Center for Women in Computing to attend an all women's tech conference in Austin, Texas *May 2018*
- **Association for Women in Computing** (President) Led 800+ women in UMD's Chapter of ACM-W by coordinating with professionals from various companies and hosting events to launch women in tech *August 2018 - May 2019*
- **Technica Brand Ambassador** Organizer for the nation's largest hackathon for women and anyone that identifies as non binary since 2017. Selected college representatives from 24 other campuses and schools and directed them to spread Technica cheer and its name across more students with an interest in this field *May 2019*
- **Girls Who Code** Introducing and teaching a class of 25 young girls (K-12) to programming using JavaScript and python *February 2018*