ANNA SEDLACKOVA
COMPUTER SCIENCE BS/MS STUDENT

anna@case.edu
annasedlackova.com
2169260906
Cleveland, Ohio
annasedla
annasedla

EDUCATION

Case Western Reserve University (CWRU) May 2020
M.S. Computer Science 2020
B.S. Computer Science 2019
M.S. GPA: 4.0/4.0
B.S. GPA: 3.8/4.0
Coursework: Smartphone Security, Machine Learning, Algorithms, OS, iOS Development, Databases, Data Science, AI, Software Engineering

LEADERSHIP

HACKCWRU 7 · Director of Promotions May 2019 to Current
Reaching out to 23 other universities to promote CWRU's hackathon, hackCWRU (~600 attendees). Creating marketing materials to increase exposure.

CWRU ACM CHAPTER · Public Relations Chair Dec. 2017 to Dec. 2018
Worked on outreach with different on-campus and off-campus organizations. Planned out weekly newsletters and organized our yearly conference, Link State (~200 attendees).

CWRU TO GHC '18 · Organizer May 2018 to Dec. 2018
Coordinated with four other women in the EECS department to fundraise and organize a trip for 50+ women to attend the Grace Hopper Celebration 2018 for free.

EMPLOYMENT

APPLE INC. Cupertino, California
Software Engineering Intern in Security May 2019 to Aug. 2019
Built an NLP pipeline to prioritize externally-reported security issues using Python (Pandas and Scikit-learn).
Trained various models (gradient boosting, SVM, etc.) that utilized k-fold cross-validation and grid search to achieve 90% accuracy.

APPLE INC. Cupertino, California
Hardware Engineering Intern in Product Integrity May 2018 to Aug. 2018
Worked on a rotating robotic fixture to simulate customer usage of devices. Created CAD files and software in Python to support it.
Presented a concept to Apple VPs to win an internal "Shark Tank"-style contest against 94 other ideas and won first place in a team of two.

PHILIPS Cleveland, Ohio
Software Engineering Co-op June 2017 to Dec. 2017
Developed and implemented software in C# using .NET tools to automate build verification tests for CT scanners at runtime.
Decreased smoke test runtime by 50% for core CT scanner software.

HILASE - SUPER LASERS RESEARCH Prague, Czech Republic
Project Management Intern June 2016 to Aug. 2016
Managed the operation and maintenance of a newly implemented laser beam distribution system.
Participated in weekly meetings with partner companies to discuss and decide the system's usage.

THINK[BOX] INNOVATION CENTER Cleveland, Ohio
Student Assistant Sept. 2016 to May 2018
Coached visitors in the use of cutting-edge prototyping equipment at the largest academic manufacturing center in the US.
Operated and supervised a wide variety of 3D printers, lasers, and workshop power tools.

RESEARCH

MASTER'S THESIS Sept. 2018 to Current
Developing a synthetic nervous system by leveraging computer vision techniques that track intensity changes in streaming images.
Enables a mantis robot to detect external stimuli that enter and exit the field of view.

BINOCULAR VISION USING SYNTHETIC NERVOUS SYSTEM Sept. 2016 to July 2017
Published first author research paper, Binocular Vision Using Synthetic Nervous Systems; presented at the 2017 Living Machines Conference.
Crafted software in C which calculates analog coordinates from images obtained via two Pixy cameras and an Arbotix-m controller.
Used data to train a partially-connected neural net mirroring the neural system of a mantis that computes distances to objects in view.

SKILLS

PROGRAMMING LANGUAGES: Java, Python, C#, Arduino, Swift, SQL, C/C++, JavaScript/HTML/CSS
TOOLS: Pandas, Scikit Learn, Agile, NLTK, Eclipse, PyCharm, Visual Studio, Android Studio, Git, npm, Node.js, Xcode, .NET
MACHINES: 3D printing, Laser cutting, PCB routing, Drilling, Milling, Sawing, Sewing, 3D modeling
FUN SKILLS: Playing piano blindfolded, Making balloon animals, Hiking Katahdin in January, Longboarding