VICTOR LIN

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EDUCATION

Bachelor of Science, Computer Science Aug 2015 – May 2019
Bachelor of Arts, Statistics
University of Florida, GPA 3.84/4.0

INDUSTRY & RESEARCH EXPERIENCE

Software Engineer August 2019 – Present
Microsoft, Redmond, WA
- Team: Microsoft Security Response Center (MSRC)

Bioinformatics Research Assistant May 2016 – Aug 2019
Lab of Dr. Lei Zhou, University of Florida
- Identified significant mutation patterns in p53 pathway using dataset of 70m+ genome-wide mutations
- Created a Python package to parse and extract taxonomy data from hundreds of protein sequences in an object-oriented fashion
- Applied machine learning models and visualizations on thousands of genomic data entires

Teaching Assistant Sep 2017 – Dec 2017
EML 6934 (Python Programming), University of Florida
- Worked with instructor in structuring a new course with 30+ graduate students
- Covered Python basics, NumPy, pandas, Matplotlib, SciPy, scikit-learn

Research Intern Jun 2017 – Aug 2017
U.S. Army Research Laboratory, Adelphi, MD
- Developed Python script to parse data files and determine circuit design efficiency
- Facilitated development of efficient wideband power amplifiers for on-field transmitters
- Nominated by branch chief as outstanding intern for ARL fellowship

Software Development/IT Intern Jul 2015 – Jan 2017
Acceleration.net, Gainesville, FL
- Designed Flask web app for device backup to facilitate management of 30+ offsite devices
- Managed 10+ client websites using WordPress and Linux command line
- Utilized Git and Trac to coordinate efforts with co-workers

PROJECTS

serratus.io – Front-facing interface for novel coronavirus homology search effort
uniprot-taxonomy – Python library for extracting taxonomy information from UniProt database
p53-chip-seq-data – Machine learning and visualizations of lab-generated genomic data

PUBLICATIONS

Varsha Sundaresan, **Victor T. Lin**, et al. *Significantly Mutated Genes and Regulatory Pathways in SCLC – A Meta-analysis.* Cancer Genetics. 2017.