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|--------------------------------|---|---------------------|
| EDUCATION | Bachelor of Science, Computer Science Bachelor of Arts, Statistics University of Florida, GPA 3.84/4.0 | Aug 2015 – May 2019 |
| SKILLS | <i>Languages:</i> Python, Shell, JavaScript, HTML, [S]CSS, Java, C/C++, SQL, VB.NET, R, LaTeX <i>Frameworks/tools:</i> Git, make, pandas, scikit-learn, Flask, Matplotlib, AngularJS, MongoDB | |
| INDUSTRY & RESEARCH EXPERIENCE | Research Assistant Lab of Dr. Lei Zhou, University of Florida <ul style="list-style-type: none">Created a Python package to parse and extract taxonomy data from hundreds of protein sequences in an object-oriented fashionDetermined functionality of 8 significantly mutated genes in Small Cell Lung CancerApplied machine learning models and visualizations on thousands of genomic data entire | May 2016 – Present |
| | Teaching Assistant EML 6934 (Python Programming), University of Florida <ul style="list-style-type: none">Worked with instructor in structuring a new course with 30+ graduate studentsCovered Python basics, NumPy, pandas, Matplotlib, SciPy, scikit-learn | Sep 2017 – Dec 2017 |
| | Research Intern U.S. Army Research Laboratory, Adelphi, MD <ul style="list-style-type: none">Developed Python script to parse data files and determine circuit design efficiencyFacilitated development of efficient wideband power amplifiers for on-field transmittersNominated by branch chief as outstanding intern for ARL fellowship | Jun 2017 – Aug 2017 |
| | Software Engineering/IT Intern Acceleration.net, Gainesville, FL <ul style="list-style-type: none">Designed Flask web application for TFTP router backup process to facilitate management of 30+ offsite devicesManaged 10+ client websites using WordPress and Linux command lineUtilized Git and Trac to coordinate efforts with co-workers | Jul 2015 – Jan 2017 |
| PROJECTS | p53-chip-seq-data – Machine learning and visualizations of lab-generated genomic data uniprot-taxonomy – Python library for extracting taxonomy information from UniProt database H4CK-3ND – Interactive back-end workshop with problems and solutions billboard-vis – Ranking visualization tool for Billboard Hot 100 charts ufsase.com, rc.ufsase.com – SASE UF Chapter and 2016 SASE SERC official website | |
| AWARDS | 1st Place , SASEhack Kaizen CTF Ranked 1 st of 35 hackers in national Capture-the-Flag style information security competition | Oct 2018 |
| LEADERSHIP | Co-founder, Co-captain, Choreographer Vertax Diabolo Performance Group <ul style="list-style-type: none">Performed at 20+ events with audiences numbering in the several hundredsAwarded 1st Place at 2018 VISA Talent ShowHead Chinese yo-yo instructor of 15 students at Huagen Chinese School | Sep 2015 – Present |
| | Workshop Lead, Mentor SwampHacks 2017, 2018, 2019 <ul style="list-style-type: none">Hosted workshop on back-end development using Python+Flask with 50 attendees (2019)Guided project groups on using Python, HTML, CSS, and JavaScript (2017, 2018, 2019) | Jan 2017 – Jan 2019 |
| PUBLICATIONS | Varsha Sundaresan, Victor T. Lin , et al. <i>Significantly Mutated Genes and Regulatory Pathways in SCLC – A Meta-analysis</i> . Cancer Genetics. 2017. | |