DAVY YUE

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EDUCATION

VANDERBILT UNIVERSITY, NASHVILLE, TN   **May 2020**
- Major: Computer Science, Bachelor of Science
- Minor: Engineering Management

WELLINGTON HIGH SCHOOL, WELLINGTON, FL   **May 2016**
- Class Rank: Valedictorian
- Earned National Merit Finalist Award

PROFESSIONAL EXPERIENCE

VUSE SUMMER RESEARCH PROGRAM, NASHVILLE, TN   **May 2017 – present**
INSTITUTE OF MULTISCALE MODELING AND SIMULATION
Research Assistant and Programmer
- Managed transition for Multi-State Iterative Boltzmann Inversion (MSIBI) package from hoomd engine 1.0 to 2.0
- Formulated automation to convert all-atomistic trajectory mappings into target radial-distribution functions (RDF)
- Constructed Jupyter Notebook tutorials for Lennard-Jones potential and trajAPI packages in mosdef-hub

PALM BEACH COUNTY SCHOOL DISTRICT, WEST PALM BEACH, FL   **June 2016 – July 2016**
Applications Analyst Summer Intern
- Developed Enterprise Resource Planning department website with Search Engine Optimization (SEO)
- Vetted critical update in PeopleSoft Oracle program to integrate with 18,000 employees' mobile/desktop devices
- Compiled informative daily-to-yearly trends for 15,000 call center agent reports using advanced Excel functions

LEADERSHIP AND CLUB EXPERIENCE

VANDYHACKS, VANDERBILT UNIVERSITY   **August 2016 – present**
Executive Board Member for Logistics Team
- Coordinated logistics for an annual hackathon with 500+ college students from 30 universities nationwide
- Managed monthly six-hour-long hack nights with 1-3 sponsoring companies and 50-60 competing members
- Arranged transportation reimbursements and vehicle acquisitions for participants from 10 geographical regions

MUSIC CITY CODE, NASHVILLE, TN   **June 2017 – present**
Executive Board Member, Vanderbilt Liaison and Logistics
- Organized acquisition of Vanderbilt-based venues for annual event with 700+ industry leaders from 60+ companies
- Facilitated communication with Vanderbilt University for selecting and renting from 8 campus-facilities options
- Headed public-relations effort to maximize college-students' attendance with strategic word-of-mouth initiatives

PERSONAL PROJECTS

CODING PROJECTS, GITHUB AND OFFLINE   **May 2017 – present**
Software Developer
- Develop an Android application for analyzing text-messages and providing a comprehensive user-based report
- Design a blockchain-concept platform for healthcare companies to share and store data

SKILLS & LANGUAGES

Computer Programs	Microsoft Excel, Google Analytics, Adobe Suite Photoshop
Languages	Python, C++, Java, HTML/CSS, Mathematica, LATEX, Mandarin Chinese
Hobbies	Origami, Table Tennis, Acrylic Painting, Bicycling