CHRISTOPHER FU

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EDUCATION

University of California, Los Angeles — Expected Graduation: June 2024
B.S. Mathematics, Data Theory — Overall GPA: 3.78/4.00
Relevant Coursework: Python with Applications, Introduction to Programing in C++, Introduction to Statistical Programming with R, Linear Algebra, Real Analysis, Introduction to Data-Driven Mathematical Modeling: Life, Universe, and Everything, Differential Equations
Awards: Top 15 Finalist in 2022 ASA DataFest at UCLA, Runner-up in IBM Good Tech Scholars Program, Dean's Honor list for 4 quarters

PROJECTS

International Business Machines Corporation (IBM) — **San Jose, CA**
Web Developer — Jul 2022 - Aug 2022
- Developed an accessible user centered platform for food service workers utilizing JavaScript React to directly alleviate economic instability and health complications caused by high densities of relative and situational poverty in urban cities, increasing job application ease by 30%
- Initiated iterative design via the MURAL platform for food service workers, providing job resources to 1500+ underprivileged workers
- Implemented job listings into our ReactJS application to provide proper mapping of various workplaces, boosting data accuracy by 70%

2022 ASA DATAFEST AT UCLA — **Los Angeles, CA**
Project Lead — Apr 2022 - May 2022
- Analyzed datasets for the Yale School of Medicine's play2PREVENT visual novel video games by programming in Python and R to offer insight towards health improvement, enlarging user retention rate for 11-year olds by 120% to match those rates for older pre-teenagers
- Spearheaded collaboration in the project using Google Colab to generate Python code containing histograms, line charts, box charts, and LaTeX tables of our exploratory data analysis to facilitate a shared platform for organization, accelerating team problem-solving by 65%
- Aggregated project work into a Microsoft PowerPoint presentation incorporating Coolors color palettes to impart a comprehensible visualization of our findings for the judges and audience to deliver an intelligible discussion, increasing overall audience attendance by 20%

Studio Run Studios for Association for Computing Machinery, UCLA Chapter — **Los Angeles, CA**
Music Composer — Jan 2022 - Jun 2022
- Collaborated in a 20-week video game project to create an engaging experience for college students, expanding club membership by 55%
- Applied C# programming in Unity to construct and refine character movement and mechanics, speeding up game development by 80%
- Directed progress of 5+ musical compositions adopting the DAW LMMS to enhance atmosphere, increasing general playerbase by 45%

PROFESSIONAL EXPERIENCE

UCLA Housing & Hospitality — **Los Angeles, CA**
Front Desk Attendant — Aug 2021 - Nov 2021
- Functioned as a point of contact for residents for building access, maintenance, and daily Housing Operations for +18 hours weekly
- Operated on UCLA's Housing websites and applications to multitask and prioritize assignments with ease, improving workflow by 30%
- Liaised with both working staff and students by serving as a mediator to promote professionalism under stressful circumstances

Apple Studios, LLC, Production Title "Gray Horse" — **Bartlesville, OK**
HSC Staff on Production of "Killers of the Flower Moon" — Jun 2021 - Aug 2021
- Monitored key areas of traffic flow as well as managed, procured, and distributed inventory of PPE in the production office and on-set as a means to ensure the health and safety of staff working in areas of possible COVID-19 exposure, reducing COVID-19 cases by 20%
- Transported COVID-19 tests from HSC sites to various laboratories to accelerate testing and reduce cases, increasing productivity by 70%
- Cataloged a log of packages for the costuming and production departments through Microsoft Excel, growing work output by 33%

LEADERSHIP EXPERIENCE

Alpha Lambda Delta, Phi Eta Sigma UCLA Chapter (Honor Society) — **Los Angeles, CA**
Secretary — May 2021 - Jun 2022
- Recorded transactions meetings using Google Suite to generate a roadmap of club events , increasing club efficiency by 35%
- Monitored all administrative matters via GroupMe in order to establish board communication, bolstering club reporting by 80%
- Published weekly newsletters for specific cohorts through Mailchimp to encourage club growth, increasing event attendance by 40%

SKILLS AND INTERESTS

- **Technical**: Microsoft Office, C++, R, Python (NumPy, Matplotlib, scikit-learn, pandas, SQL, Anaconda), HTML, CSS, C#, JavaScript
- **Interests**: Hip hop, Music Theory, Stratocasters, Cross Country, Movies and TV Shows Analysis, Metroidvania/Roguelite Video Games