

Forrest Hsu

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SUMMARY

Self-starting and ambitious University of Washington molecular biology graduate with a passion for creating solutions using synthetic biology. Prior experience with cross-functional collaboration, data analysis, and molecular biology techniques. Dedicated worker with strong communication and technical skills.

EDUCATION

UNIVERSITY OF WASHINGTON

Bachelor of Science in Molecular, Cellular, and Developmental Biology, Class of 2021 || GPA 3.4

SEATTLE CENTRAL COLLEGE

Associate of Science, Transfer, Class of 2019

EXPERIENCE

RESEARCHER AND OFFICER || Washington iGEM

Mar 2020 - Nov 2020 || Seattle, WA

The University of Washington's premier competitive synthetic biology team

- Lead a multidisciplinary virtual team over a variety of productivity software such as Zulip, Notion, and Zoom.
- Conducted and recorded expert interviews, literature research, and computational modeling.
- Developed experience with plasmid design, metabolic engineering, and computational biology.
- Created prokaryotic metabolic engineering plans to be completed after CoVID-19.
- Presented the team's work at an international synthetic biology symposium.

NEW PRODUCT DEVELOPMENT BIOLOGIST || Adaptive Symbiotic Technologies

Sep 2018 - May 2020 || Seattle, WA

Microbiology firm that develops symbiotic fungi for agricultural use

- Presented research at the UW Undergraduate Research Symposium.
- Halved data collection time and increased data precision five-fold by fabricating and programming an image analysis platform.
- Developed workflows to characterize fungal - plant interactions.
- Conducted research and development with yeasts, filamentous fungi, and plants by independently planning, executing, analyzing, interpreting, and presenting experimental results.

SKILLS

Laboratory || PCR, Gel Electrophoresis, Mini Prep, Sterile Technique, Genetic Transformation, Antibiotic Screening, Optical Microscopy, Fungal Culture, Prototype Fabrication

Computer || Programming and Data Analysis [Python], Benchling (ELN), Excel, ImageJ, Microsoft Office, LaTeX, Gsuite, Notion

VOLUNTEER

• Bainbridge Bands Marching Band Instructor || Oct. 2017 - Present

Lead the ensemble to record breaking scores and gained a wide communication/education skill set after a season in Drum Corps International. Fostered a nurturing environment that promoted collaboration and group cohesion.

• Savoy Swing Club Organizer || Apr. 2018 - Present

Through dedication, data collection and analytics, turned the organization around by converting a loss of \$186/event to a profit of \$105/event. Frequent trombonist at dance events, community liaison, and awarded the prestigious title of 3rd most fun dancer.

• The m9 Section Leader || Mar. 2018 - Present

Seattle based Balkan Romani Brass Band. While this ensemble is focused on social justice, anti-nationalism, and bringing awareness to the Romani culture; the band is not above bar-crashing and leading an impromptu parade around the city.