**RESEARCH ASSOCIATE**

# 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 collaboration across fields, 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

**OFFICER AND RESEARCHER** ‖ Washington iGEM

Mar 2020 - Nov 2020 ‖ Seattle, WA

*The University of Washington's premier competitive synthetic biology team*

- Established positive relationships with experts and stakeholders, while mantaining rapport through the project.
- Developed experience with plasmid design, genetic engineering, and computational biology.
- Organized team funtions such as literature review, external presentations, and project design.
- 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*

- 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.
- Presented research at the UW Undergraduate Research Symposium.

## 🛠 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], Command Line, 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.*