

Arvin Yung

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EDUCATION

University of Massachusetts Amherst, Amherst, MA

Bachelor of Science in Microbiology

May 2025

Bachelor of Science in Psychology

May 2025

- **GPA: 3.75/4.0**
 - Honors Include: Dean's List (2021-2024), Nu Rho Psi (2023)
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SKILLS

Lab

- Tissue culture, chlamydia cultivation, bacterial cultivation, qPCR, SDS-PAGE, Western Blot, PCR, immunofluorescence staining, plate and assay development, Bioinformatics (BLAST + KBase), fish maintenance

Software

- Bash, Unix, R, Microsoft Office, Google Suite
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RESEARCH EXPERIENCE

UMass Amherst Microbiology, Amherst, MA

November 2022 – Present

Undergraduate Research Assistant, Webley Lab

- Utilizing environmental chlamydial species to infect various fish species
- Tissue culture & chlamydia cultivation
- Utilized molecular techniques to quantitatively and qualitatively assess fish infection
- Animal models: zebrafish, brook trout, rainbow trout

CAFE Summer Scholars Program, Amherst, MA

June 2024 – August 2024

Summer Scholar

- Performed molecular work on zebrafish
 - Assessment of *Waddlia chondrophila* etiology
 - Performed qPCRs to assess prevalence of immunology-related gene activity
 - Poster presentation: *Assessment of Waddlia chondrophila as a Causative Agent in Epitheliocystis*
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WORK EXPERIENCE

UMass Amherst Microbiology Department, Amherst, MA

September 2024 – Present

Teaching Assistant

- Setting up laboratory
- Assisting students during lab
- Grading students' practical skills and laboratory notebook
- Responsible for students' bacterial cultures

UMass Amherst Libraries, Amherst, MA

September 2021 – Present

Circulation Desk

- Organization and inspection of books
 - Provide access to library resources for patrons
 - Assist with technical difficulties
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