

RONALD J. LIU

2949 Portage Bay West, Apt. #199 • Davis, CA 95618 • (415) 786-9710 • ronliu@ucdavis.edu

EDUCATION

Bachelor of Science, **Environmental Science & Management**
University of California, Davis

GPA: 3.65
Expected Graduation: June 2016

SKILLS

Gravimetric analysis	Titration	Proficient in Microsoft Office
Autoclaving	Dilutions	Basic ArcGIS
Phosphorus extractions	Pipetting	ExStick II Conductivity/TDS/Salinity
Colorimetry	Spectrophotometry	Conversational Cantonese

RELEVANT EXPERIENCE

Lab Assistant | UC Davis Wastewater Treatment Plant | Davis, CA Dec. 2014 – Present

- Perform wet chemistry analyses of wastewater for temperature, conductivity, pH, biological oxygen demand, total suspended solids, total dissolved solids, and turbidity
- Operate desiccators, turbidity meters, conductivity and pH meters, glass washers, balances, incubators
- Drive John Deere Gator to collect wastewater field samples, e.g., return activated sludge, mixed liquor suspended solids, effluent and influent grabs
- Prepare microbiological media and conduct analysis of coliform bacteria including quality control tests
- Record proper documentation to ensure results comply with State Regional Water Quality Control Board
- Communicate testing of outcomes to manager in order to provide for adjustment to the facilities

Green Office Coordinator | Environmental Stewardship & Sustainability | Davis, CA Apr. 2014 – Present

- Promote environmental campus goals, e.g., Zero Waste by 2020 and Carbon Neutral by 2025
- Supervise and train two student interns at briefings, presentations, and wrap-up celebrations
- Conduct presentations and workshops to address sustainable requests, e.g., digital timers for over 40 clients
- Work independently on applying 'Save Water' mirror clings to over 100+ on-campus bathrooms

Lab Assistant | Professor Eliška Rejmánková's Wetland Ecology Lab | Davis, CA Oct. 2014 – Dec. 2014

- Weighed water samples and plant litter obtained from various wetlands in Mojave Desert, CA
- Conducted ethylene concentration readings using a gas chromatograph
- Performed hydrogen sulfide concentration readings using an ORION silver electrode

Putah Creek Intern | UC Davis John Muir Institute of the Environment | Davis, CA Jan. 2014 – Jun. 2014

- Wrote an analytical three-page lesson plan on water quality at Putah Creek for future intern use
- Designed educational outings about water conservation and geology for 4th-6th graders and general public

PROFESSIONAL AFFILIATION

Secretary | UC Davis American Water Works Association May 2014 – Present

- Assist in facilitating Speed Networking event for 12 companies and 32 undergraduate students
- Participate with organizing and promoting outings, e.g., Lake Berryessa for 15-20 participants
- Write weekly announcements regarding water-related internships, presentations, news articles