

Charles Hammond

Davis, CA

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Education:

University of California, Davis

Bachelor of Science: Civil Engineering

Expected June 2019

Overall GPA: 3.84/4.00

Relevant Coursework: Water Treatment, Hydraulic Design, Hydrology, Optimization, Water Quality, Aqueous Chemistry

Experience:

Jun 2018 - Sep 2018 Engineering Intern, Sanitation Districts of LA County, Whittier, CA

- Wastewater and solid waste management organization serving 5.6 million people and 78 cities in Los Angeles County
- Projects focused on cutting-edge biosolids processing facility (Tulare Lake Compost)
- Performed analysis on extensive datasets to investigate compliance with EPA Part 503 and various state permit requirements
- Worked in team with four professional engineers to produce reports, ensure compliance, and optimize operations

Dec 2017 - Present Rapid Small-Scale Column Studies, UC Davis

- Performed construction, operation, and analysis from start to finish
- Responsible for operating Agilent ICP-MS to determine Arsenic concentrations
- Produced reports for consulting firm that commissioned the work

Summer 2016 Tiny House, Davis, CA

- Interpreted, executed, and modified construction plans and specifications
- Drafted construction schedule and \$5,000 budget
- Reviewed construction code and design with senior engineer prior to construction
- Coordinated and managed a team of up to 4 people on a variety of tasks, including installing roofing, drywall, flooring, painting, and framing
- Completed the project on-time in 6 weeks, final cost was approximately \$4,000 (20% under-budget)

Skills: Public speaking, skilled in writing for multiple/complex audiences, technical writing, extensive experience working in teams, conversational Japanese, basic Spanish, basic Mandarin

Software: LaTeX, Python, OS X, Windows, Ubuntu, MATLAB, AutoCAD, SolidWorks, ArcGIS, VMware Fusion, Bootcamp, VirtualBox, FlowMaster

Hobbies: Baseball, cello, backpacking, judo, hapkido, fermentation (especially kimchi), foreign languages, farming, playing Go