

Aaron Jacobson

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Education

Iowa State University, Ames, IA

Bachelor of Science, Chemistry

Minor in Computational Biology and Bioinformatics

Graduated in May 2017

Experience

Lab and Recitation Teaching Assistant for General Chemistry, Iowa State University, August 2016 - present

- Led discussions of course material with ~20 students
- Proctored and graded course exams, quizzes, and lab practicals
- Prepared course materials before labs and recitations
- Tutored students in course material in the general chemistry help center

Teaching Assistant for Wine, Beer, and Spirits class, Iowa State University, April 2016 - present

- Assisted with preparation of samples and cleanup of glassware and waste
- Graded essays and homework

Undergraduate Research Assistant in Chemistry, Stanley Group, Iowa State University, August 2015 - August 2016

- Researched hydroacylation and conjugate addition to α,β -unsaturated ketones using transition-metal catalysts
- Learned standard organic chemistry laboratory techniques such as NMR spectroscopy and flash chromatography

IT Student Technician - Dept of English, Iowa State University, May 2013 - May 2016

- Troubleshooting and working with clients on technical computer problems
- Setting up and administrating of Mac and Windows systems

Programming Intern - CenUSA BioEnergy, Summer 2014

- Working with a team on educating K-12 students about biofuels and renewable energy sources
 - Worked with clients to create a design and computational solution
 - Worked on building a computer game using HTML, CSS, and JavaScript
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Skills from Coursework

- Experience using bioinformatics databases and algorithmic analysis of DNA, RNA, and protein sequences
- Teaching and tutoring students in general and organic chemistry
- Languages: Java, C, C++, HTML, Javascript, CSS, Python, Perl
- Software: Adobe suite, Eclipse, Xcode, ChemBioDraw, MestReNova, Microsoft Office
- Experience and practice with graphic design for print and web materials and the design process
- Basic understanding and fluency in French