SENIORS

Doron Rose

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EDUCATION

Yale University, New Haven, CT, August 2013 to present

- Mechanical Engineering major, ABET-accredited B.S. expected May 2017
- Courses: Mechanical Design (senior project), Fluid Mechanics (with lab), Statics and Material Science (with lab), Chemical Propulsion Systems, Thermodynamics, Computer-Aided Engineering, Aerodynamics, Mechatronics Laboratory, Heat Transfer, Electrical Circuits (with lab)
- Extensive experience with SolidWorks 3D modeling and design analysis through dedicated coursework and design projects

North Haven High School, North Haven, CT, 2009 to 2013

- Honors: Salutatorian, Mathematics Department Award, Rensselaer Medal for distinction in mathematics and science, Yale Book Award for academic achievement

EXPERIENCE

Mechanical Engineering Intern, Waterbury Generation, LLC, Waterbury, CT, Summer 2016

- Maintained and repaired GE LMS100 aeroderivative gas turbine and surrounding balance of plant equipment
- Assisted turbine operators in monitoring emissions and plant systems during operation
- Revised the plant's operating procedures and designed contingency plan for the generator step-up transformer in cooperation with plant manager

Research Intern, University of Iceland, Reykjavík, Summer 2015

- Microbial electrosynthesis project in the Center for Systems Biology; goal was to use *Desulfobulbus* bacteria to oxidize H_2S expelled from geothermal power plants
- Designed in SolidWorks a bioreactor for larger-scale trials with the bacteria and power plant wastewater, using input from biochemistry graduate students and project PI

Student Technician, Yale Information Technology Services, New Haven, CT, January 2015 to present

- Diagnose and resolve students' computer software and hardware problems
- Correspond with student clients and cooperate with other Student Technicians and ITS employees to provide efficient, organized service

Intern, Alexandria Seaport Foundation, Alexandria, VA, Summer 2014

- Worked with volunteers and apprentices to construct and repair traditional wooden boats
- Researched and planned educational summer camp about Potomac River ecosystems

SKILLS

Software: SolidWorks with add-ins, MATLAB, Eclipse, Arduino, Microsoft Office
Programming: Proficient with Java; knowledge of MATLAB, C, and C++
Machining and Prototyping: Experience with 3D printers, laser cutters, vertical milling machines, lathes, band saws, and grinders
Language: Proficient in Spanish