Anton Zaytsev

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www.anton.works

EDUCATION

Reed College, Portland, OR
BA, Chemistry: Degree expected May 2018
Senior thesis: Photochemically active polymers exhibiting mechanical motion on visible light irradiation.
Year-long independent project under guidance of Dr. Sameh Helmy.

EXPERIENCE

08/2014-Present
Reed Research Reactor. *Licensed Senior Reactor Operator*
Manage experimental irradiations, facility maintenance, and community outreach

09/2015-Present
Reed College. *Individual Chemistry Tutor*
Work one-on-one with students at Reed College studying introductory, organic, and inorganic chemistry classes. Tutoring for both theory and laboratory sections

01/2014-Present
EZ Consulting. *Consultant*
Responsible for technical due diligence, business and scientific presentations, business reporting and accounting, and medical device design and prototyping

06/2017-08/2017
Invuity, Inc. *New Product Development Intern*
Developed material technologies for prototyping and production of a new line of optical waveguides for surgical use. Employed techniques for optical engineering, optical-grade polymer casting, as well as relevant analysis and documentation.
invuity.com

04/2017-05/2017
Reed College. *Interactive Sunset Forest Art Installation*
Designed, prototyped, built, and deployed an art installation budgeted by the Reed College Student Body, consisting of 100 accelerometer-interfacing lights. Practiced all skills of managing and executing an engineering project from initial design to final deployment.
anton.works/pond.html

08/2016-05/2017
NGT Synthesis. *IP Ninja*
Assisted international collaboration between chemists and patent lawyers to link chemistry and intellectual property law developing a novel oil refining technology
ngt-synthesis.com

08/2012-06/2014
Gunn Robotics Team. *Designer*
Worked in teams to design, manufacture, assemble and test a robot to participate in the national FIRST robotics competition. Responsible for design, team coordination, manufacturing, and community outreach

SKILLS

SOFTWARE	Spartan; ChemDraw; SciFinder; Solidworks; AutoCAD/Inventor; Adobe Suite
CHEMISTRY	Analytical techniques; Advanced organic synthesis; Polymerization chemistry
ELECTRICAL	Power electronics; STM and AVR microcontrollers; Digital electronics; PCB design and fabrication
CODE	Python; c++; bash; LaTeX; html; css; JS; git
LANGUAGES	Russian (fluent); Spanish (conversational)
INTERESTS	Sustainability; Outdoors; Innovation; Maker culture