

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

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

09/2015-05/2017

The Grail. *Editor*

Managed communications with authors of articles as well as assisting with editing and layout for The Grail, a biweekly magazine at Reed College

reedthegrail.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
LANGUAGES	Russian (fluent); Spanish (conversational)
INTERESTS	Sustainability; Outdoors; Innovation; Maker culture