

Aaron Lichtner

Materials Science, Design, Data, Programming, Image Analysis



Contact

9100 Roosevelt Way NE
Apt. 301
Seattle, WA 98115

818.521.4283

alichtner@gmail.com
www.aaronlichtner.com

Technical Skills

Material Characterization
Technical Writing
Data Visualization
Image Analysis
Statistical Analysis
Project Management
Machining

Software

Illustrator, Photoshop
ImageJ, OriginPro
Gnuplot, Veusz
Indesign, Sibelius
Microsoft Suite

Programming

LaTeX, Python
HTML, CSS
Android, Java

Languages

●●●●● English
○●●●● French

Research Experience

2010 - 2015

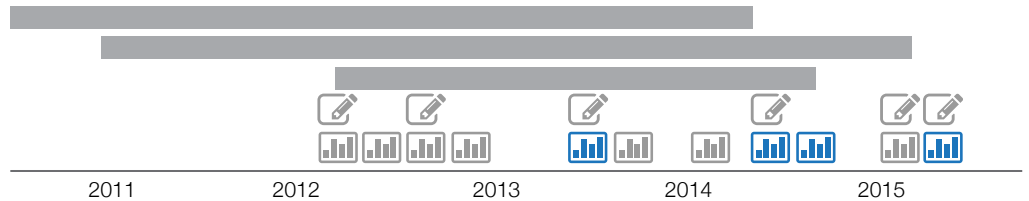
Ph.D. Materials Science and Engineering

University of Washington, Seattle, WA

Collaborated with an international team to develop an integrated experimental/simulation approach to studying multifunctional, porous ceramics using freeze-casting and discrete-element analysis

International Experience: Total of 11 months working in SIMaP lab in Grenoble, France

Teaching/Mentoring
Experimentation
Simulations
Publications
Presentations



2005 - 2009

Bachelor's Materials Engineering

California Polytechnic, San Luis Obispo, CA

🏆 Dean's List - Five Quarters

Developed protocols for producing tuneable quantum dots

2008

Quality and R&D Intern Biomedical Devices

TDC Medical, Sunnyvale, CA

Assisted in prototyping of an ultrasonic cardiac imaging catheter

2007

Metallurgical and Quality Intern Aerospace

MOOG Aerospace, Torrance, CA

Streamlined post-vulcanization process, resulting in cost savings of \$320,000 per year

Teaching Experience

2011 - 2013

Research Mentor

University of Washington, Seattle, WA

High School and Undergraduate Student Mentor

2010 - 2011

Teaching Assistant

University of Washington, Seattle, WA

🏆 TA of the Year

Instructed students in various materials science labs and technical report composition

2009 - 2010

Pre K - 5th Science Teacher

Mad Science of Los Angeles, CA

Ran hour-long after-school science classes for elementary schools in the greater LA area

Involvement

2012 - Now

Founder and Musical Director

Seatown Sound A Cappella, Seattle, WA

2013 - Now

Community Advocate and Grant Writer

U District Square, Seattle, WA

2014 - Now

Graphic Design and Data Visualization

Seattle Subway, Seattle, WA

Who am I

