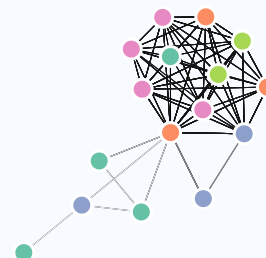# ALEX RAJEWSKI

A bioinformatician working in human cancer genetics but with training also in plant genetics and evolution. I am an excellent science communicator to both public and professional audiences.

🎓 EDUCATION

Dec 2020 | 2015

PhD Plant Biology
University of California
📍 Riverside, CA

2015 | 2013

MS Horticulture
University of Georgia
📍 Athens, GA

· Thesis: Micropropagation and Evaluation of the Genetic Population Structure of River Cane (*Arundinaria giganta*)

2010 | 2006

BS Biochemistry, Cell, and Molecular Biology
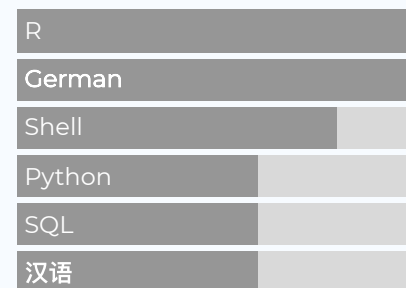Drake University
📍 Des Moines, IA

💻 WORK EXPERIENCE

current | 2021

Research Bioinformatician II
Cedars-Sinai Hospital
📍 Los Angeles, CA

· Applied Genomics, Computation, & Translational Core

2012 | 2011

Congress–Bundestag Fellow & Research Intern
Universität Rostock
📍 Germany

· Developed plant transformation methods in lupine, pea, tobacco, and potato
· Investigate transgenic vaccine peptides
· Congress-Bundestag Youth Exchange for Young Professionals Fellow
· Achieved professional fluency in German

2011 | 2010

Research Assistant
Pioneer Hi-Bred (Corteva)
📍 Johnston, IA

· Developed SQL database to integrate phenotypic and genotypic measurements

Aug 2009 | May 2009

Research Intern
North Carolina State University
📍 Raleigh, NC

· Validated viral protein production in novel hosts
· NSF Research Experience for Undergraduates (REU) Program

CONTACT

✉ AlexCRajewski@gmail.com
github.com/rajewski
🔗 rajewski.github.io
in/alexrajewski
Rajewski

LANGUAGE SKILLS

R	
German	
Shell	
Python	
SQL	
汉语	

I have developed diverse skills including NGS data analysis, phylogenetics, R, population genetics, and Git.

💻 TEACHING EXPERIENCE

2018 ● **California's Cornucopia (TA)**
UCR Dept of Botany and Plant Science   📍 Riverside, CA

· Led discussion sections for 120 students
· Introductory, non-major course

2016 ● **Foundations of Plant Biology (TA)**
UCR Dept of Botany and Plant Science   📍 Riverside, CA

· Designed and led lab sections for 80 students
· Broad, upper-division course

📖 PEER-REVIEWED PUBLICATIONS

2020 ● **Datura Genome Reveals Duplications of Psychoactive Alkaloid Biosynthetic Genes and High Mutation Rate Following Tissue Culture**
BMC Genomics (in review)
Alex Rajewski, Derreck Carter-House, Jason Stajich, and Amy Litt

2019 ● ***in Vitro* Plant Regeneration and *Agrobacterium tumefaciens*-mediated Transformation of *Datura stramonium***
Applications in Plant Science
Alex Rajewski, Kevan Elkins, Ashley Henry, Joyce Van Eck, and Amy Litt

2019 ● **Evolution and Diversification of *FRUITFULL* Genes in Solanaceae**
Frontiers in Plant Science
Dinusha Maheepala, Chris Emerling, **Alex Rajewski**, Jenna Macon, Maya Stahl, Natalia Pabón-Mora, and Amy Litt

2018 ● **Classification and phylogenetic analyses of the Arabidopsis and tomato G-type lectin receptor kinases**
BMC Genomics
Marcella A. Teixeira, **Alex Rajewski**, Jiangman He, Olenka G. Castaneda, Amy Litt, and Isgouhi Kaloshian

I have two first-author publications and have also collaborated on two more.

🤝 SELECTED OUTREACH

current | 2010 ● **Extension Master Gardener**
Cooperative Extension   📍 California, Iowa, Kansas, Georgia

current | 2018 ● **Big Brother**
Big Brothers Big Sisters of the Inland Empire   📍 Riverside, CA

2020 | 2016 ● **Community OUTreach Educator**
LGBT Resource Center   📍 University of California