

## Ryan A. Divan

---

CONTACT INFORMATION	0377 Frist Campus Center Princeton University Princeton, NJ 08544	<a href="mailto:rd2700@princeton.edu">rd2700@princeton.edu</a> <a href="http://ryandivan.com">ryandivan.com</a> 1-201-892-8057
EDUCATION	<b>B.A., Mathematics</b> , Princeton University, Princeton, NJ G.P.A.: 3.87/4.00 <i>Relevant coursework:</i> Numerical Analysis / Scientific Computing, Probabilistic Combinatorics, Probability Theory, Linear Algebra, Theoretical Machine Learning, Algebra I, Real Analysis	<b>May 2028 (expected)</b>
RESEARCH POSITIONS	<b>Student Researcher</b> , Princeton University PACM, NJ Conduct independent research in randomized numerical linear algebra under Prof. Marc Gilles.	<b>October 2025–Present</b>
	<b>Summer Research Scholar</b> , NJGSS @ Drew University, Madison, NJ Selected as one of 60 students statewide to conduct fully-funded summer research.	<b>July–August 2023</b>
RESEARCH EXPERIENCE	<ol style="list-style-type: none"><li><i>Randomly pivoted Cholesky: investigation and applications</i> Advised by Prof. Marc Gilles, investigated theory and implemented machine learning applications of the RPCholesky algorithm (Chen–Epperly–Tropp–Webber, 2025) in Python/NumPy.</li><li><i>Effect of Fiberware / PLA Compostables on Compost Maturity</i>, with Daniela Cruz. Advised by Prof. Xinning Zhang, analyzed effect of fiberware composition on compost maturity by proxy of emissions with R. Presented at Princeton Geoscience Department poster session.</li><li><i>Combating Malaria: Drug Discovery Approach Using Thiazole Derivatives Against PfPKG Enzymes</i> Advised by Prof. Fina Liotta, conducted organic synthesis and in silico analysis using UCSF Chimera for docking simulations. Presented at the David Miyamoto Scholars Conference.</li></ol>	
INDUSTRY EXPERIENCE	<b>Founder &amp; COO</b> , EVAL Gaming Inc., Princeton, NJ Lead data analysis and modeling efforts for player performance datasets in scholastic esports.	<b>August 2024–Present</b>
	<b>Data Analyst Intern</b> , Mendocino Food Consulting, Remote Created various data science and web development efforts for the consultancy.	<b>July–September 2025</b>
	<b>Summer Accelerator Fellow</b> , Keller Center, Princeton, NJ Awarded \$30,000 in funding to manage team and build data analytics company, EVAL Gaming.	<b>June–August 2025</b>
	<b>Data Analyst Extern</b> , Mobalytics, Remote Performed data analysis and market research for expansion into new esports markets.	<b>May–June 2024</b>
HONORS AND AWARDS	<b>Venture Award Grantee</b> , Princeton Student Ventures,	<b>2025</b>
	<b>ESAF Scholar</b> , Entertainment Software Association Foundation,	<b>2025</b>
	<b>U.S. Presidential Scholar Semifinalist</b> , U.S. Department of Education	<b>2024</b>
	<b>National Merit Scholarship Finalist</b> , National Merit Foundation	<b>2024</b>
	<b>NJ Governor’s School in the Sciences Scholar</b> , NJ Department of Education	<b>2023</b>

TEACHING  
EXPERIENCE**Undergraduate Course Assistant**, Princeton University

MAT215, Single Variable Analysis with an Introduction to Proofs

**Fall 2025**

MAT217, Honors Linear Algebra

**Spring 2026**PRESENTATIONS,  
RESEARCH TALKS,  
AND ASSORTED  
OUTREACH**Research Presentations**

Princeton Geosciences Department Poster Session

**December 13, 2024**Poster: *Effect of Fiberware / PLA on Compost Maturity*

David Miyamoto Scholars Conference, Drew University

**August 4, 2023**Paper: *Combating Malaria: A Drug Discovery Approach***Outreach**

Invited speaker, Games for Change Next-Gen Summit

**February 17, 2025**

Panel: Creator Panel with EVAL Gaming

Keller Center eLab Demo Day 2025

**July 31, 2025**

Pitch: "EVAL Gaming: Connecting Gamers to College Scholarships"

Guest on *The Video Gamers Podcast***July 18, 2025**Episode: [Gaming Scholarships & The Future of Esports in Schools](#)

Invited speaker, Garden State Esports Summit 2024

**November 22, 2024**

Panel: Voices of Esports

## COMPUTER SKILLS

Proficient in Python and scientific computing / ML libraries (NumPy, Pandas, Tensorflow, PyTorch)  
Experience in Java, C#, Lean, Javascript. Markup languages:  $\text{\LaTeX}$ , HTML, CSS, Markdown.

## OTHER PROJECTS

**Kachi (skincare data app)**, exited,**2025**

Next.js, Wordware, Python (FastAPI)

**Project Leo (2D Unity platformer game)**, [lunarflame.dev/projects/project-leo](https://lunarflame.dev/projects/project-leo),**2023–2025**

Unity, C#, Python

**Assorted Rocket League articles**, Dignitas, [dignitas.gg](https://dignitas.gg),**2022–2024**

## REFERENCES

**Prof. Marc Gilles**, Assistant Professor of Mathematics, Princeton University

212 Fine Hall

Princeton, NJ 08540

email: [gilles@princeton.edu](mailto:gilles@princeton.edu)office phone: [1-609-258-4200](tel:1-609-258-4200)**Dr. Bryan Quoc Le**, Founder & CEO, Mendocino Food Consulting

10451 Nichols Lane

Mendocino, CA 95460

email: [bryan@mendocinofoodconsulting.com](mailto:bryan@mendocinofoodconsulting.com)office phone: [1-814-883-2069](tel:1-814-883-2069)**Prof. Derek Lidow**, Professor of the Practice in the Keller Center, Princeton University

34 Chambers Street

Princeton, NJ 08540

email: [dlidow@princeton.edu](mailto:dlidow@princeton.edu)office phone: [1-609-258-4756](tel:1-609-258-4756)