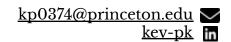
Kevin Park



EDUCATION

> Princeton University 2023 - 2027

G.P.A. of 3.59

Princeton, NJ

B.S.E. in Mechanical & Aerospace Engineering; Intended Minors in Statistics & Machine Learning, Computer Science

Relevant coursework: MAT201, MAT202, PHY105, PHY106, COS126, CHM207, MAE305, MAE221, MAE223

G.P.A. of 4.502 (weighted), Valedictorian, AP Scholar with Honor, 2021 National Merit Letter of Commendation Recipient

2019 - 2023 Ridgewood, NJ

PROFESSIONAL EXPERIENCE

Ridgewood High School (RHS)

La Fondazione Giorgio Cini, ARCHiVe

2024 - Present

Machine learning and full-stack desktop app development intern

- Independently developed the frontend and backend for a QT-based desktop app utilizing deep-learning techniques (SegmentAnything), improving workplace efficiency by ~600%
- Investigated and tested deep-learning-based 3D modeling techniques (Gaussian splatting)

Co-Founder & Full Stack Developer, UBound

2024 - Present

Founder and full stack developer for a web application aiming to facilitate connections between high school students and top university graduates

Architecting a web application using NextUI React framework, Tailwind CSS, MongoDB, and Google Firebase

de la Garza Architecture LLC

2023 - 2024

Architecture intern under Javier de la Garza, firm owner

• Studied, researched, & presented on architectural documents provided from Rockwell Group & Architecture Research Office

Bergen Community College, Department of Chemistry

2022 - 2023

Research intern under Dr. Ara N. Kahyaoglu, Physical Sciences Department Chair

Projects: Antimicrobial and Synergistic Properties of Nanoparticles, Building Lewis Dot Structures of Binary Compounds/Ions, Photovoltaics Research

 Successfully conducted research as part of a diverse team of chemistry undergraduate researchers. Involved frequent problem solving, daily interactions with faculty advisor, and communication

AWARDS

NJ STEAM Tank™ Challenge

2021 - 2022

Project lead for ICE Pack team

- Winner of the 2022 NJ STEAM Tank™ Challenge and \$2500 in project funding
- Winner of the 2022 Societal, Social, and Emotional Impact Award; Justice, Equity, Diversity & Inclusion Award; Subject Matter Expert Award; Creativity & Exemplar Integration of the Arts Award
- Finalist in the 2021 NJ STEAM Tank™ Challenge and winner of the 2021 Innovation Award

EXTRACURRICULARS

Princeton Society of Asian Scientists and Engineers

2024 - Present

Co-treasurer

 Acquired ~\$10,000 in funding from engineering departments and student government to help undergraduates attend national SASE conference in Boston

Princeton Racing Electric Club

2024- Present

MK2BC Engineer

• Engineer working on PRE's MKB2C car, preparing it to clear all competition guidelines

> Natural Language Processing Reading Group

2024 - Present

Study various papers from industry $\mathcal E$ academia related to natural language processing

> Patent Applicant

Present

Pending patent applicant for an induced hypothermia cooling blanket based on gaseous CO2 circulation technology

Princeton Rocketry Club

2023 - 2024

Member of High Powered Rocketry subgroup

Fabricated an unguided solid fuel rocket featuring a data collection payload & parachute recovery system

SKILLS

- > Programming Languages: Python (Qt, PyTorch), Java, JavaScript, C++, HTML/CSS
- > Software: Google Product Suite, Excel, Miro, Blender, AutoCAD, KiCad, Mathematica, Arduino, Figma, Inkscape, Krita, Filmora X
- > Certifications: <u>CPR</u>, First Aid, EDX Machine Learning, Coursera Python (Data structures, databases)