Kevin Park

kp0374@princeton.edu
kev-pk

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

➢ Ridgewood High School (RHS) 2019 - 2023
G.P.A. of 4.502 (weighted), Valedictorian, AP Scholar with Honor, 2021 National Merit Letter of Commendation Recipient Ridgewood, NJ

PROFESSIONAL EXPERIENCE

➢ 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 & academia related to natural language processing

➢ Patent Applicant Present
Pending patent applicant for an induced hypothermia cooling blanket based on gaseous CO_2 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: CPR, First Aid, EDX Machine Learning, Coursera Python (Data structures, databases)