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*Aspiring human-centered engineer leveraging creativity and teamwork to build engaging, resilient software.*

**UNIVERSITY OF PENNSYLVANIA** Digital Media Design (BSE Computer Science & Computer Graphics) 3.5 GPA

- CIS 5610: Advanced Computer Graphics
- CIS 2400: Computer Systems
- CIS 2620: Automata Complexity, and Computability
- CIS 1210: Data Structures and Algorithms

## WORK EXPERIENCE

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**Front-End Web Developer | UPenn Safe Autonomous Systems Lab | 2025~**

- Migrate and redesign HTML site to React, used by robotics groups across 20+ countries.
- Created re-branded version 0 from scratch within a week containing bibtex and markdown file + various service integrations, animated 2d canvas background, and custom animated navbar. [www.roboracer.ai](http://www.roboracer.ai)

**Full-Stack Web Developer | Children's Hospital of Philadelphia Center for Autism Research | 2025~**

- Work in student team to develop an online centralized research hub integrated with database and ML system.

**Advancement Manager, DP Foundation | The Daily Pennsylvanian | 2024-25**

- Develop financial sustainability strategies for independent student newspaper with executive director.
- Help build early-stage organization by organizing first student recruitment and student roles.
- Write grant proposals and engage in conversations with key players in Philadelphia media ecosystem.
- Design 8-page pamphlet for campaign launch event & internal graphics/branding for alumni campaigns.

**Undergraduate Business Development & Marketing Intern | FlexIt Inc. | 2024**

- Work with tech startup team & MBA interns with the goal of expanding revenue streams and client base.
- Draft Q4 stakeholder report, investor communications, website headers & graphics.
- Propose and implement a language filter feature on the website's personal trainer search page.
- Ideate and launch promotional business cards & social media panels for personal trainers.

## ACTIVITIES

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**Project Lead, Full-Stack Developer | Penn Spark | 2024~**

- 2-time technical/product lead for creative web and mobile app projects, manage designers and developers.

**Industrials Committee | Wharton Investment & Trading Group | 2024~**

- Complete semester-long program on valuation and investing, do debates, discussions, and competitions.

**Board Member | UPenn Women in Computer Science Residential Program | 2024**

- Plan and implement tech-oriented events on campus, start biweekly speakers program with faculty.

**Policy Director, Board of Directors Student Member, Counselor | CA Assoc. of Student Councils | 2019-23**

- Sponsor/pass state bills AB1867 ('22), AB748 ('22), SB857 ('23), organize 4-day in-person policy conferences, start in-person lobbying trips and trainings, facilitate policy coalition with 20+ member orgs including ACLU.

## AWARDS AND HONORS

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**American Invitational Mathematics Exam | 2019-2021** 3-time qualifier, 1st place of 60 local contestants

**SAT** 1590 (10th grade), 1540 (7th grade)

**Math Kangaroo | 2019** Level 8 National Winner 120/120 score

## SKILLS

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**Frontend** HTML/CSS, JavaScript, TypeScript **Backend** Python, Java, C(++), GLSL

**Libraries/Frameworks** NodeJS, React, React Native, Expo, Django, OpenGL **Databases** PostgreSQL, Firebase

**Design/UI** Maya (CAD), Figma, Adobe Creative Tools (Illustrator, Photoshop, InDesign, Premiere)

**Misc** Github/Git, Agile product development, Docker, Machine learning

**Languages** Korean TOPIK II Test Level 6 (highest native speaker level in reading, listening, and writing)