Thomas P. Hasty

th1585@princeton.edu | (215) 439-4782

EDUCATION

Princeton University, Princeton, NJ — Expected Grad: May 2028
Bachelor of Science in Engineering: Electrical and Computer Engineering
GPA: 3.5

Relevant Coursework: Electronic Circuit Design, Analysis and Implementation*, Information and Signals*, Contemporary Logic Design, Algorithms and Data Structures, Mathematics in Engineering I (Differential Equations), Computer Science: An Interdisciplinary Approach, General Physics I (Mechanics), General Physics II (Electricity and Magnetism), Multivariable Calculus, Linear Algebra with Applications
*Indicates will be taken and completed in spring 2025 according to major plan

—

Springfield Township HS, Montgomery County, PA — Graduated: June 2024

Awards and Recognitions: Science Department Scholar Award, Jay Freeze Memorial Scholarship Award (Math), Service to School Award from Flourtown Fire Company, David G. Kelbe, Jr. Memorial Foundation Award (Firefighting, Academics, and Service), John Philip Sousa Award (Band), Youth Nationals Rower (2021 and 2022)

—

Pennsylvania Governor's School for the Sciences, Carnegie Mellon University, Pittsburgh, PA Class of 2023
Research Paper: Journal of the Pennsylvania Governor's School for the Sciences, Vol. 38, 2023, "Long ago, in a Globular Cluster Far, Far Away"
(https://www.observatory.pitt.edu/sites/default/files/assets/research/P7%20Physics_and_Astronomy_PGSS_2023_Long_Ago_In_a_Globular_Cluster_Gurreonero_Hasty_Ranaweera_Seidman_Thomas.pdf)

—

Montgomery County Fire Academy, Conshohocken, PA
Fireground Support (February 2023) and Introduction to the Fire Service (November 2022)
Hazardous Materials Awareness Certified

Programming and Design Experience:

- **Python** - Performed detailed data analysis on experiments conducted in multiple physics classes
- **Java** - Implemented a wide variety of APIs from boosted weak learner algorithms for fraud detection to KD-tree and digraph data structures for storing and using large datasets
- **RTL Design** - Designed a simple CPU for Contemporary Logic Design class
- **Verilog** - Designed a CPU as well as various other controllers in Vivado using Verilog
- **Princeton Robotics Club Member** - Wide variety of practical skills from soldering to command prompt use

---

Leadership:

- Director of Communications (2026), Board Member (2025), **Princeton Pro Life**, Princeton, NJ
- Chief Science Officer/Founder (2022-2024), **STEM Ambassadors Club**, Springfield Township, PA
- Founder (2023-2024), **First Responders Club**, Springfield Township, PA
- Member (2023-2024), **Sustainability Club**, Springfield Township, PA
- Member (2024-2025), **Princeton University Honor Committee,** Princeton, NJ
- President (2023-2024)**, Springfield Township HS Class of 2024**, Springfield Township, PA

Work Experience:

- Volunteers with Flourtown Fire Company as a Firefighter, providing Fire and Rescue services to Flourtown and neighboring communities (2022 - Present)
- Lifeguarded at Flourtown Swim Club (Summers 2022 - 2024)
- Worked at Flourtown ACME as a Courtesy Clerk, ensuring cleanly and pleasant customer experience (Summer 2021)