

# Augustus Kamal

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## EDUCATION

### Carnegie Mellon University

Bachelor of Science in Civil Engineering

GPA: 3.74/4.00, Dean's List Fall 2021-Spring 2023

Pittsburgh, PA

May 2025

### New Hope-Solebury High School

GPA: 4.29/5.00

New Hope, PA

May 2021

## WORK EXPERIENCE

### Langan Engineering and Environmental Services

#### Site/Civil Engineering Intern

Doylestown, PA

Summer 2023

- Used AutoCAD to revise project drawings and sheets, develop zoning maps, update stormwater management systems, and enhance parking lots.
- Worked with project engineers and managers to meet critical submission deadlines.

### Clusters Handcrafted Popcorn, Customer Service Associate

Summer 2022

- Handled customer orders and efficiently operated the store with coworkers during rush periods.

## PROJECTS

### Optimizing a College Street, CEE Projects

Fall 2023

- Worked with team members and a professional mentor to propose changes to a nearby commercial street.
- Organized a class event to collect pedestrian, vehicle, and cycling traffic data to support our proposal.

### Design and Construction of a Model Stormwater Management System, CEE Projects

Fall 2023

- Collaborated with a group to design a system capable of catching, transferring, and retaining 8 gallons of water in 60 seconds.
- Created structural drawings, cutting diagrams, and assembly directions for construction of our design.

## LEADERSHIP

### Competition Organizer, World Cube Association (WCA)

Summer 2017 - Present

- Organized 9 Rubik's Cube competitions, hosting a total of 1200+ competitors and spectators.
- Secured venues, planned detailed schedules, worked with WCA delegates, helped accommodate new competitors and parents, crafted budgets, and handled other organizational and logistical duties.

## RELEVANT COURSEWORK/SKILLS

**Courses:** Differential Equations, Linear Algebra and Vector Calculus, Statics, Solid Mechanics, Soil Mechanics, Fluid Mechanics, Physics 1 & 2, CEE Challenges: Design in a Changing World, CEE Projects: Integrating the Built, Natural and Information Environments, Intro to Transportation Systems Analysis, Smart Cities: Growth and Intelligent Transportation Systems, Computation and Data Science for CEE

**Software:** AutoCAD, Civil 3D, Projectwise, Python, Bluebeam Revu, Microsoft Office