

Jason Cheng

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Education

Integrated Bachelor and Master of Architectural Engineering | The Pennsylvania State University

University Park, PA

Expected Graduation: May 2023

Structural Option

Cum GPA: 3.5

Five-year professional degree – ABET accredited

Passed Fundamentals of Engineering: Other Disciplines Exam - EIT status upon graduation

Sede di Roma – Architectural Engineering Study Abroad Program

May - June 2022

- Toured and studied in Florence, Naples, Rome, Salerno, and Venice, Italy
- Studied ancient and medieval structural design, cartography, & historical aspects of Roman architecture and urban space design guided by Architectural Engineering faculty

Structural Engineering Experience

Structural Engineering Intern | XYZ Structural Systems, LLC,

Philadelphia, PA

May – Aug 2021

- Ran structural analyses in RISA-3D, RAM Structural System, and ENERCALC
- Jobsite visit to document concrete beam, column, and slab sizes for future generator installation
- Modeled client’s proposed concrete building in ETABS, checking maximum wind and seismic drift limits

Structural Engineering Intern | ABC Structural Consultants, Inc.

Alexandria, VA

May – Aug 2020

- Assisted in performing structural calculations for renovations, restorations, & new design
- Conducted site visits to evaluate existing building conditions, take measurements, and perform visual inspections of foundations and exposed structures
- Drafted reports, wrote proposals, and organized calculation packages
- Gained technical literacy in industry standards, methods, and practices

Technical Skills

AutoCAD

ENERCALC

RAM Structural System

RISA-3D

Bluebeam Revu

ETABS

Revit

SketchUp

Leadership & Involvement

Structural Engineers Association of Pennsylvania

Vice President

2022 – present

Member

2020 - present

AE TEAMS –Peer Tutor and Mentor

2021-present

Intramural Volleyball

2020 - present

Student Society of Architectural Engineers – Member

2019-present

Penn State Engineering Orientation Network – Mentor

2019