

DAVID VAUGHAN

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<https://github.com/dvaug86>

<https://dvaughanportfolio.com/>

HIGHLY MOTIVATED CAREER ENGINEER WITH BROAD KNOWLEDGE BASE AND DEVELOPING EXPERIENCE IN CODING AND PROGRAMMING

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|---------------|-------------------|--------------|-------------------|
| • Accountable | • Detail Oriented | • Flexible | • Prompt |
| • Adaptable | • Diligent | • Helpful | • Straightforward |
| • Cooperative | • Eager | • Procedural | • Quick Learner |

TECHNICAL SKILLS

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|-------------------------|-------------------|--------------------|----------------|
| • JavaScript/TypeScript | • MySQL | • Stripe | • Revit |
| • HTML | • Node.js/Express | • Python | • ENERCALC |
| • Bootstrap | • React | • Microsoft Office | • Forte |
| • CSS | • Mailgun | • AutoCAD | • RAM |
| • Tailwind CSS | • Passport | • ArchiCAD | • SAP2000/RISA |

EDUCATION

- **Full Stack Engineering Bootcamp Program** *Covalence*..... 2022
- **Introduction to Python Programming Certification** *University of Pennsylvania*..... 2020
- **Civil Engineering Bachelor of Science** *Kennesaw State University*..... 2013

PROFESSIONAL SUMMARY

- **Carpenter** *Mateosky Construction Inc.*..... 2019-2021
 - Completed tasks related to the construction of buildings and acted as part of a team to finish critical jobs
- **Hotel Engineer** *Snake River Lodge and Spa*..... 2018-2019
 - Worked on refinishing and updating projects and completed regular maintenance
- **Structural Engineer** *Y2 Consultants*..... 2017-2018
 - Prepared material and building calculations and created models using various design programs
 - Performed inspections and reviewed drawings for accuracy and completion
 - Coordinated between architects and construction workers to complete the needs of the client
- **Design Engineer** *Primus Builders Inc.*..... 2016-2017
 - Created models using design programs and reviewed drawings to ensure proper specifications were met
 - Prepared calculations for the design process and attended coordination meetings
- **Structural Analyst** *FDH Velocitel*..... 2014-2015
 - Performed structural analysis evaluations and comprehensive report summaries of cell phone towers and their foundations
- **Geotechnical Engineer** *United Consulting*..... 2013-2014
 - Functioned as the primary inspector for a 23-story apartment complex in Atlanta
 - Performed inspections, completed daily reports, and collected/summarized results from testing procedures
- **Research Assistant (Undergrad)** *Southern Polytechnic State University*..... 2012-2013
 - Performed various testing for hot mix asphalt as well as modelling and characterization for the Georgia Department of Transportation database

PUBLICATIONS

- **"Use of Recycled Concrete Materials as Aggregate Base Layer"** *Primary Author Dr. Sung-Hee Kim, P.E.*
- Recognized in publication as Undergrad Research Assistant

CERTIFICATIONS

- **Engineer in Training (EIT) License & Certification:** EIT025970
- **American Concrete Institute (ACI) Certification:** 01256709