

# BRIDGET A. BUILDER

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## EDUCATION

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**University of New Hampshire** – Durham, NH Expected: May 2019  
*Bachelor of Science in Civil Engineering* GPA: 3.77

- Roland Burlingame Academic Excellence Scholarship
- St. Louis Alumni Scholarship for Academic Excellence
- University of New Hampshire Excellence Merit Scholarship

**Related Coursework:** Fundamentals of AutoCAD, Statics for Civil Engineering, Strength of Materials for Civil Engineering, Project Engineering, Surveying & Mapping, Professional & Technical Writing

## PROJECT EXPERIENCE

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**West Falmouth Neighborhood Plan** – Falmouth, Maine January 2019 – April 2019

- Developed a neighborhood concept plan for an underdeveloped plot of land in Falmouth, Maine
- Analyzed the impacts that developing the land would have on traffic, wastewater treatment, stormwater treatment, housing costs, and public-school systems

**Group Bridge Design** – Durham, NH January 2018 – April 2018

- Designed a pedestrian footbridge in accordance with ASCE dead load, live load, and snow load standards
- Selected glu-lam beams from a lumber catalog, and bridge was designed with material dimensions, strength, & deflection under load considered
- Wrote a comprehensive technical report of the project, along with 2-dimensional model made in AutoCAD

## INTERNSHIP EXPERIENCE

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**Naval Facilities Engineering Command (NAVFAC)** – Kittery, ME July 2018 – July 2019  
*Civil Engineering Intern*

- Updated engineering drawings and collected data for inclusion in engineering reports
- Prepared basic drawings, charts, and maps of components relating to engineering systems
- Developed project scopes and estimated cost with guidance from professional engineers
- Extracted technical information from a variety of sources and presented it in accordance with procedure

**State of New Hampshire Department of Labor (DOT)** – Portsmouth, NH May 2017 – August 2017  
*Construction Intern*

- Performed routine site inspections and tested construction materials
- Laid out areas for specialized pavement treatment and determined finished grades using surveying techniques
- Oversaw contractors in bridge and road construction
- Coordinated scheduling with utilities performing concurrent work
- Tracked material quantities actually used as they differed from plan quantities

## CAMPUS INVOLVEMENT

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**UNH: American Society of Civil Engineering (ASCE)** – Durham, NH November 2018 – Present  
*President*

- Coordinate presentations regarding infrastructure projects for the professional benefit of the group
- Worked with the Executive Board to track and maintain \$2,000 operating budget
- Attended the 2019 ASCE Leadership Conference

*Undergraduate Outreach Chair* September 2017 – November 2018

- Represented first- and second-year students on the board
- Used Excel to maintain active member roster