

# Elisabeth Daley

Software development and engineering

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## EDUCATION

### Johns Hopkins University — *M.S. Computer Science*

June 2016 - December 2018

Data Science, Information Retrieval, Machine Learning, Enterprise Web Development, Semantic Web.

### Tufts University — *Minor in Computer Science*

September 2011 - May 2013

Algorithms, Programming Languages, Computational Geometry.

### Cornell University — *B.S. Mechanical and Aerospace Engineering*

September 2004 - May 2008

Analysis of Mechanical and Aero Structures, Intro to Robotics, Mechatronics, Web Design.

## EXPERIENCE

### Veson Nautical, Associate Software Engineer

March 2021 - November 2024

Full stack development on a large codebase including new feature development and bug fixes. Triaged bug reports to identify root causes, created Splunk queries to monitor activity and responded to system performance alerts.

Used C# .NET, Typescript, C++, Golang, SQL, MongoDB, UI work in React, development and deployment of microservices and AWS lambdas, and maintenance of CI tools including Gitlab pipelines, Terraform, and automatic test runs. Wrote unit tests using Nunit and Jest.

### MIT Lincoln Laboratory, Mechanical Engineering Group

September 2014 - September 2020

Optomechanical design, integration and test for prototype laser communication ground station.

Aras PLM project management, workflow implementation, and test.

Head of Solidworks users group setting best practices, training, and support and overhaul of documentation control system. Developed custom documentation applications using C# Solidworks API.

### Chelsea Clock - Solidworks CAD Design, September 2011 - February 2012

### Corning Inc, Machine and Automation Systems — *Mechanical Engineer*

September 2008 - May 2011

## SKILLS

C#/.NET, Typescript, Javascript, C++, Golang, Python, SQL, MongoDB, HTML, CSS, React, Drupal, Wordpress, Splunk

3D modeling: Solidworks CAD, Certified Professional (CSWP) and PDM administration. Basic Blender, ProE Elements Direct

Aras Innovator PLM: Configuration and development

## SELECTED PROJECTS

Sentiment Analysis using data derived from web-scraping

Ontology generation from textual documents using WordNet semantic relationships and NLTK

## AWARDS

**Program Hero** August 2019, MIT Lincoln Laboratory

**Early Career Technical Excellence** 2014, MIT Lincoln Laboratory

## ACTIVITIES

Coach of girls robotics First Lego League team, 2014-2017.

Cornell Automotive XPrize Project, Web Design and Aerodynamic subteams, 2008.

Webmaster, Cornell Society of Women Engineers, 2007-2008.

Webmaster, Jesup Memorial Library 2004-2008.