

# MATTHEW MOLONEY

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## Website/Online Portfolio

MattMoloney.org

## EDUCATION

**Washington State University**, Pullman, Washington  
Bachelors of Science, Mechanical Engineering

Graduated: July 2015

## WORK EXPERIENCE

**Jones Lang Lasalle**, Kent, WA

February 2016 to Present

*Control System Specialist*

**Amazon Fulfillment Center Control Systems Technician**

- Responsible for troubleshooting, designing/implementing/documenting control solutions for material handling systems
- Perform Allen Bradley (A&B) PLC control level issue diagnostics
- Facilitate change management process and develop ad-hoc PLC ladder code change using Rockwell RS Logix family IDE's RX Logix 5000
- Basic knowledge of Profibus Systems and maintaining network health, troubleshooting, etc. using Profitrace
- Work with IT, FC Software, and Operations Engineering to develop and update controls knowledge and training documents

**Alaska Airlines**, Sea-Tac, WA

July 2015 to January 2016

*Maintenance Program Engineering Contractor*

**Maintenance Programs Engineering**

- Scheduled task cards to increase line efficiencies to reduce work time
- Identified process for Heat Exchanger Repair. Established multi-function team to implement proposed solution, leading to a projected savings of \$50,000+ per year.
- Facilitated alterations to the Engineering Authorization process

**Fife School District**, Fife, WA

May 2013 to August 2013

*Summer Employment*

**Maintenance Worker**

**Flow International, INC.**, Kent, WA

May 2012 to August 2012

*Summer Employment*

**Mechanical Technician**

## RELEVANT COURSEWORK & CLASSES

- Machine Design
- Dynamic Systems
- Mechatronics
- Internal Comb. Engines
- Heat Transfer
- Thermal Systems Design
- Design Manufacturing Strategy
- Linear optimization
- Fluid Mechanics
- Metal Fabrication

## COMPUTER & TECHNICAL SKILLS:

- SolidWorks (Design, analysis),
- Metalwork (Welding, Machining)

- MATLAB (2012)
- PLC (Siemens with HMI, ladder logic)
- RSLogix5000
- Profibus/Profinet
- Finite Element Analysis
- CNC
- Composites

**References:**

**Jonathan Kirby**, CSL – Control System Lead; Jones Lang Lasalle  
(206) 947-6601  
Kirbyjk@amazon.com

**Kok-Fei Tan**, Manager Engineer – Material Control; Alaska Airlines  
(425) 263-0068  
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**Jeff Butler**, Vice President at Alaska Airlines; Airport Operations and Customer Service  
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