

Erin P. Esco

epesco@wpi.edu • (207) 232-6672

100 Institute Rd, Mailbox 136, Worcester MA 01609

EDUCATION

Worcester Polytechnic Institute

08/2013-Present

B.S. in Computer Science, minor in Mathematics, Expected in 2017

GPA: 3.86/4.0, Dean's List

Windham High School

08/2009-06/2013

GPA: 96.3/100, 4th in Graduating Class

Society of Women Engineers' Award for Excellence in Mathematics

SKILLS & COURSEWORK

Python · Java · C · MATLAB · LaTeX · Software Engineering · Object-Oriented Design · HTML · CSS · JavaScript · Web Development · MySQL · Operating Systems · Shell Scripting · UML · Scrum · Version Control · Signal Processing · Unit Testing · Photoshop · Discrete Mathematics

WORK & RESEARCH EXPERIENCE

Amazon Robotics, North Reading MA

05/2015-08/2015

Client Support Engineer Intern

Tested, deployed shell scripts to automate maintenance tasks resulting in a projected fifteen percent decrease in tickets assigned to the support team. Created a dashboard by utilizing an alternative data pipeline and developing a front end to instantaneously display client data to allow for a projected decrease of eight hours of engineers' time per week.

Worcester Polytechnic Institute, Worcester MA

08/2013-Present

CMS Web Assistant

Updating, maintaining content for the WPI website.

Reproducible Research Methodologies, Worcester MA

03/2015-05/2015

Research Assistant

Investigated ways to ensure research in computational labs is reproducible by paying close attention to documentation, automation, and a proposed solution to tagging data. Deliverables included a final research paper and a python prototype of the proposed data tagging solution.

Thermo Fisher Scientific, Guilford CT

07/2014-08/2014

Research & Development DNA Sequencing Intern

Worked extensively with DNA sequencing technology, from laboratory work to signal processing, to develop efficient and accurate analysis methods and scripts. Used MATLAB and knowledge of laboratory and machine procedures, requiring comprehensive understanding, to extract insightful data and produce informative data structures. Presented final conclusions and recommended direction to company.

LEADERSHIP

Alpha Phi International Fraternity, Chapter President

11/2013-Present

Upsilon Pi Epsilon, Active Member

12/2015-Present