

# JONATHAN ZYBERT

## SOFTWARE ENGINEER

### CONTACT

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### TECHNICAL SKILLS

#### LANGUAGES

JavaScript | HTML 5 | CSS 3 | Python  
C | C++ | Java

#### FRAMEWORKS

React | Redux | Sass | Bootstrap  
Flask | Spring | JUnit | unittest

#### SOFTWARE

Git | Atlassian Tools | Linux  
Adobe Creative Suite

### PROFESSIONAL SKILLS

Front-end interface development  
Back-end API development  
User experience (UX)  
Prototyping / design  
Agile methodologies  
Cross-functional teamwork

### INTERESTS

#### INDUSTRY

Space Exploration  
Robotics  
Artificial Intelligence  
Animation

#### PERSONAL

Épée Fencing  
Guitar  
Scratch art

### WORK EXPERIENCE

#### SOFTWARE ENGINEERING CO-OP

Amazon Robotics | Jan 2019 - Jun 2019

- Iteratively built out multiple web-based diagnostic forms to enable fulfillment center associates to better self-service their issues as well as improve data gathering for support team resulting in a median time to resolve of 26 hours down from 72 hours
- Utilized TF-IDF machine learning algorithms to predict the type of trouble tickets to improve accuracy and consistency of data
- Improved Greasemonkey script which acted as a controller for managing trouble tickets as well as wrote Python script which pared down million-row databases to highlight critical data

#### SOFTWARE ENGINEERING CO-OP

Accion Systems | Jan 2018 - Jun 2018

- Created a Python- and web-based GUI to interface with satellite propulsion firmware
- Added display of real-time graphing of telemetry data sent via UART, intuitive control to drive system functions, and logging to binary, CSV, and HDF5 file formats to GUI
- Wrote low-level MSP430 driver code and improved the current code to support multiple UARTs on a single board

#### SOFTWARE ENGINEERING CO-OP

Quick Base | Jan 2017 - Jun 2017

- Developed email notification system to alert customers of failing webhooks resulting in a 60% decrease in webhook errors
- Implemented drag-and-drop functionality for table reports and created interface for editing table data

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### EDUCATION

#### BACHELOR OF SCIENCE IN COMPUTER SCIENCE

Northeastern University | 2015 - 2020

GPA: 3.7

Courses: Algorithms, Artificial Intelligence, Computer Systems, Design Process, Embedded Design, Fund. of Computer Science 1 & 2, Networks, OOD, Programming Languages, Software Development, Web Development

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### PROJECTS

#### SPACE MATTERS

Swift | Aug 2019 - Present

- Space-education iOS app written in Swift
- Concept, design, and programming