

# ANDREW BOOTH

## SOFTWARE ENGINEER

### WORK EXPERIENCE

#### Shipt

SOFTWARE ENGINEER, 10/2017 - PRESENT

- Assisted migration from 3 Rails monoliths to microservices.
- Built product recommendations API on integrated team with data, frontend, and DevOps engineers.
- Implemented several API services for opening Shipt as e-commerce platform. Used in Target.com integration after acquisition.
- Stood up the order microservice for pulling the order object (Shipt's "god object") out of Rails monoliths.

#### BAE Systems Inc.

COMPUTER ENGINEER, 08/2016 - 04/2017

- Designed, implemented, and integrated actuation unit tests running onboard flight control computer using C and PPC assembly.
- Ensured code obeyed safety critical development and performance standards.
- Wrote Python script for translating hardware tests scripts from PowerTAP probe language to GHS scripting language.

#### Corning Inc.

SOFTWARE DEVELOPER, SUMMERS 2013 - 2015

- Reduced modeling software processing runtime by >10x, added user interface, translated to MATLAB.
- Built system for commanding and receiving data to/from array of mobile phones leveraging Flask, Socket.IO, and Twilio. Taught self Flask web framework and how to deploy to Heroku.

### SKILLS

- |              |            |
|--------------|------------|
| • Go         | • AWS      |
| • Ruby       | • Rails    |
| • JavaScript | • Postgres |
| • Python     | • NoSQL    |
| • HTML/CSS   | • Docker   |

### CONTACT

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### ACADEMIC BACKGROUND

#### App Academy

SOFTWARE DEVELOPMENT, 2017

- Highly selective (5% acceptance rate) fullstack bootcamp
- 3 months of intense coursework covering Ruby, Rails, HTML, CSS, JavaScript, React, Redux, and algorithms
- Completed several projects, including a Windows 95 themed Slack clone called Slink

#### University at Buffalo

B.S. COMPUTER ENGINEERING, 2012 - 2016

- Summa Cum Laude, GPA 3.770
- TA for Fundamentals of Engineering class from Sophomore to Senior year
- Material covered: combinational logic, data structures, microprocessor architecture, assembly language, circuit analysis

### PROJECTS

#### Smock: A Mock Server

[github.com/broothie/smock#readme](https://github.com/broothie/smock#readme)

- Simple mock server, useful during microservice development
- Includes stubbing, proxying, and a UI for viewing full request/responses
- Written in Go

#### Slink: A Windows 95 Themed Slack Clone

<https://slink.chat>

- Implemented nostalgic channel-based real-time chat web app using Rails' ActiveCable for message broadcast and React/Redux for frontend state management
- Replicated Classic Windows 95 style graphical interface using SCSS Mixins and jQuery UI's Draggable widget