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.
- 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 use 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
- Ruby
- JavaScript
- Python
- HTML/CSS

- AWS
- Rails
- Postgres
- NoSQL
- Docker

CONTACT

+1 (607) 215 1456
adbooth8@gmail.com

andrewbooth.xyz
github.com/broothie
linkedin.com/in/broothie

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

Slink - www.slink.chat

WINDOWS 95 THEMED SLACK CLONE

- 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

Triangulunch - www.triangulun.ch

MEET IN THE MIDDLE FOR LUNCH

- Web app for finding a place for lunch between several origins
- Built on Sinatra, React, Redux, and Google Cloud Run
- Used the Google Maps Geolocation and Directions APIs