

# JESSE AKES

akesjesse@gmail.com | (409) 790-5573 | github.com/jakes44 | jesseakes.com

## EDUCATION

---

### University of North Carolina at Chapel Hill

May 2019

- Bachelor of Science in Computer Science
- Minor in Mathematics

### Relevant Coursework

- Internet Services and Protocols, Operating Systems, Distributed Systems, Parallel Computing

## WORK EXPERIENCE

---

### Amazon.com (Seattle, WA)

July 2019 - Present

*Software Development Engineer, Amazon Global Store Promotions and Customer Experience Team*

- Advocated for, designed, and implemented Amazon Global Store internal API as source of truth on global store products, providing consistent and accurate customer experience for both internal and retail customers, saving 100's of infrastructure dev hours when implementing new features
- Increased customer awareness of product origin and drove up OPS by upwards of 40% in some marketplaces by designing and implementing program badging of Amazon Global Store products worldwide
- Enabled free shipping for Global Store Customers in all Amazon Global Store marketplaces
- Created team SOP and acted as mentor of Amazon's development, operational, and cultural standards for on-boarding new hires

### Amazon.com (Austin, TX)

May 2018 - Aug 2018

*Software Development Engineer Intern, FLASH-Order To Cash Team*

- Designed and implemented a new internal micro-service for bank account and bank file tracking for use by accountants and the OrderToCash Team
- Using AWS Lambdas, parsed bank account and bank file information from incoming transactions
- Designed and deployed a REST API for easy accessibility of the parsed data
- Wrote a ReactJS front-end to display account and file information/trends and to aid in quickly discovering missing remittances

### Fidelity Investments (Durham, NC)

May 2017 - Aug 2017

*Data Engineering Intern, Personal Investing Real Time Analytics Team*

- Implemented a cluster-wide monitoring system using the Elastic Beat framework to collect and ship metrics and application logs to data pipeline consisting of Apache Kafka and the Elastic Stack
- Deployed a real time alerting system based on Elastalert using the collected metrics and logs
- Designed and implemented custom Service-Now integration into Elastalert for ticket based alerting

## SKILLS

---

### Languages

Python, Java, Kotlin, C/C++, R, HTML/CSS, MySQL, ReactJS

### Other Technologies

(Arch and Debian-based) Linux, Git, Spring, Guice, Mockito, AWS

## VOLUNTEER EXPERIENCE

---

### University of North Carolina - Chapel Hill (Virtual)

Aug. 2020 - Present

*Mentor, UNC CS Alumni Mentoring Program*

- Selected to be a part of the pilot alumni mentoring program for underclassmen in the UNC Computer Science Department and work with a sophomore student 1:1 to promote educational and career success by providing them with insight and support for their goals

## PROJECTS

---

### NextBook (Python/Alexa Skill)

July 2018

- Wrote an Alexa skill to recommend a book based on titles given by the user.
- Included dialogue/speech recognition of the title and use of the Amazon Product Advertising API for access to Amazon's catalog.

### ChowPal (Python/Flask)

Jan 2018

- Created an app that allowed users to scan a takeout menu on their phones, and tap to select a dish they wanted to find more about (nutritional information, explanation of the dish, and an image in an overlay).
- Used Tesseract-OCR to determine the dish, including in languages not in English.