

# ANDREW L. O'BRIEN

## FULLSTACK SOFTWARE ENGINEER

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Relocating to Greater Bay Area, June 2020



## EDUCATION

- 2014 - 2018** **GEORGETOWN UNIVERSITY**  
WASHINGTON, DC  
**B.A. Linguistics**  
Major: Linguistics, focus in Computational Linguistics, Mandarin and Spanish  
Minor: Film and Media Studies  
Latin Honors: cum laude (3.8 / 4.0)
- JANUARY - MAY 2017** **BROWN UNIVERSITY / CASA DE LAS AMERICAS**  
HAVANA, CUBA  
**Universidad de La Habana**  
US-Cuban Diplomacy Studies + Spanish
- JUNE - AUGUST 2017** **U.S. STATE DEPARTMENT CRITICAL LANGUAGE SCHOLARSHIP**  
CHANGCHUN  
JILIN, CHINA  
**Northeast Normal University**  
Mandarin, Advanced-Mid OPI

## SKILLS

iOS + Swift  
Typescript, React, Redux  
Java + Spring  
Media Production + Prototyping  
Sketch, InVision, Illustrator, Photoshop, Premiere Pro, AfterEffects, InDesign

## AWARD

**WINNER**  
**Bose AR + Capitol Records CodeJam**  
1st-place iOS app integrating the Bose AR iOS SDK and Capitol Records new music streaming API

## EXPERIENCE

### INTEGRAL

#### Fullstack Software Engineering Consultant

*Detroit-based automotive software consultancy. Founded 2017. 40+ employees. Specializing in TDD and XP programming*

1. **Ford Autonomous Vehicles LLC:** Developing iOS SDK in Swift for foundational ridehailing app, creating Uber/Lyft like rider and driver app for the future of Ford autonomous vehicle fleets

STACK: iOS, Swift, Jenkins

2. **Ford Fleet Management:** Developed Ford's Dynamic Routing as a Service (DRaaS) fullstack fleet optimization and dispatching application servicing Ford AV LLC, Ford's GoRide ridehailing service and employee ride shuttle

STACK: Java + Spring, Junit, Hibernate, Pivotal Cloud Foundry, SQL Server, Redis

3. **Ford Fleet Simulation:** Realtime visual playback portal of real and synthesized ride hailing scenarios. Used to benchmark route solving algorithms and extract business KPIs.

STACK: TypeScript, React+Redux, Mapbox GL JS, RabbitMQ

4. **Provide on-the-job training** in pair programming methodology and test-driven development to Ford engineers

*In addition to the above consulting work, I also work on developing Integral as a start up:*

5. **Recruiting for Integral**, including interviewing software engineering applicants and social media outreach

6. **Hosting developer meetups, blogging and participating in scoping potential projects**

**JAN 2019 - PRESENT**

DETROIT, MI

### NEXSYS TECHNOLOGIES (A QUICKEN LOANS COMPANY)

#### Software Development + Product Management

*Financial technology company delivering innovative software for smarter lending processes*

*As Software Developer:*

Developed a greenfield project with Node.js + Angular 7 to seamlessly connect insurance agencies with mortgage lenders

*As Product Manager:*

Shipped the new Nexsys Clear Path Title and Closing platform, a B2B SaaS portal used by 75,000 title and closing agents

conducting mortgage transactions with Quicken Loans

**JUN - DEC 2019**

DETROIT, MI

### SOW ASIA FOUNDATION

#### Program Associate

*Hong Kong based impact investor and accelerator for social enterprises in SE Asia*

Provided social enterprise consulting support for 40+ early-stage social enterprises, helping them achieve investment-ready status while increasing their social impact in Hong Kong and southeast Asia

**MAY - AUGUST 2016**

HONG KONG

REFERENCES AVAILABLE UPON REQUEST