

# Bailey Waldorf

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## WORK EXPERIENCE

### American Express

Software Engineer Intern

New York, NY

Jun – Aug '19

- Developed RESTful API features in C# and .NET to streamline support tickets and automate the emailing process
- Designed an admin dashboard using Figma and created a React PWA prototype to integrate with Slack, Outlook, and WebEx

### JourneyLabs

Software Engineer Intern

Orlando, FL

Oct '18 – May '19

- Produced frontend JavaScript solutions for clients focusing heavily on UI/UX and provided mockups for each platform iteration
- Created custom e-commerce APIs using PHP to speed up onboarding of new customers by 2 weeks

### Home Depot

Software Engineer Intern

Atlanta, GA

May – Aug '18

- Developed an in-house monitoring web application for the Cassandra database to save \$1M+ each year in third-party licensing fees
- Utilized Prometheus and Grafana to display time-series analytics and create incident responses through PagerDuty
- Deployed in GCP and will be open-sourced. Used by site reliability engineers in over 7 teams

## PROJECTS

### Lockheed Martin AR Research

Unity, Vuforia, AR, Team Research Project

Orlando, FL

Aug '19 – Now

- Developing a functioning prototype to evaluate an experimental AR tool for operations management
- Working in a multidisciplinary team (IE/CS) to test potential usability, acceptance, and impact on operator performance

### NASA Scribe 3.0

ML, NLP, Python, Senior Design Capstone Project

Orlando, FL

Jan '19 – Now

- Working with NASA's Jet Propulsion Laboratory to create an RNN for transcribing voice communications in the firing rooms
- Developing a "human in the middle" feedback loop to train the model in recognizing unique acronyms
- Containerizing the application in Docker and scalability testing for incoming RTSP audio streams

### Language Leap

Flutter, Dart, Hackathon, Team Project

Gainesville, FL

Jan '19

- iOS/Android app for learning new languages by taking pictures of objects and earning points for the correct translation
- Integrated Google Vision/Translate API for image recognition and translations into multiple languages

## EDUCATION

### University of Central Florida

B.S. in Computer Science • 3.5/4.0

Jun '14 – Dec '19

## SKILLS

### Languages

JavaScript (ES6), HTML, CSS, SCSS, Java, Python, Go, C, C#, Dart/Flutter, Bash, SQL, NoSQL

### Libraries & Frameworks

React, AngularJS, Node.js, Express, Flask, ASP.NET MVC, D3.js, p5.js, Bootstrap

### Tools & Platforms

Google Cloud Platform, Git, Docker, JIRA, Firebase, Wireshark, Android Studio, Unity(AR), WordPress, Sketch, Figma, Adobe XD, Photoshop

## ACTIVITY & AWARDS

### Junior Knights Volunteer

Mentoring middle and high school students interested in STEM by teaching beginner C and Python concepts

### HackUCF Member

Attended tech talks including ethical hacking, social engineering, and DDoS attacks. Participated in local programming contests

### YouTube

Created two channels focused on Adobe software tutorials (programming in After Effects) and gaming news/tips. Totalling over 10M video views and 70K subscribers

### White House Film Festival

Headed a film crew and created a short film about utilizing technology in aerospace engineering. Received an honorable mention and placed 41 of 2000+