

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

Augmented Reality 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 at Lockheed Martin and Disney
- 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+