

Dustin Karp

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EDUCATION

University of Florida

Bachelor of Science in Computer Science

- **Cumulative GPA: 4.0**
- Areas of Interest: Full Stack Development, UI/UX Design, Data Science

Gainesville, FL

2019 - Current

Florida Atlantic University

Bachelor of Business Administration in Management Information Systems

- **Major GPA: 4.0 | Cumulative GPA: 3.93**
- Completed Bachelor's degree while in high school
- Areas of Interest: Product Management, Business Analytics

Boca Raton, FL

2015 - 2019

WORK EXPERIENCE

University of Florida

Teaching Assistant – Data Structures and Algorithms

- Instructed and graded 50+ students on projects and problem sets for data structures and algorithms, object-oriented programming, and computational theory in C++.
- Conceptualized and redesigned 'EduGator' code submission platform as Course Design Lead using React/TS.

Gainesville, FL

August 2021 – Current

Pratt & Whitney

Data Science Intern

- Functioned within Hub-and-Spoke model to launch new and improve upon existing artificial intelligence and machine learning applications using Python, Django, React, D3.js and NLP techniques.
- Managed creation of enterprise-wide AI/ML product deployment platform to provide digital visibility to new and existing AI/ML products. Platform is currently supporting 100+ internal products across P&W.
- Developed analytics dashboard enabling custom analysis for Global Supply Chain team using Qlik, resulting in ~\$16k direct, one-time savings and ~\$31k annual savings.

East Hartford, CT

May 2021 – August 2021

PROJECTS

Perch Parking LLC (React Native, NodeJS, Firebase, Stripe)

- Founded and incorporated startup to address lack of parking near college campuses. Perch allows homeowners to monetize their driveway space for events and general parking needs.
- Developed complete mobile app using React Native and Firebase as sole developer on team.

getperch.io

Pathmaster (React, JavaScript)

- Built chess-themed pathfinding visualization tool to apply shortest path algorithms to selected chess piece.
- Led a group of three to complete full-stack web app in 48 hours as a part of DefHacks 2020.
- Voted first place from 120+ final project submissions in Data Structures and Algorithms course.

pathmaster.tech

resQ (React Native, Firebase, Twilio)

- Coded mobile app to reference nearby safety features (AEDs, SNAPs, Blue Phones, etc.) around college campuses and alert authorities/selected contacts in the case of an emergency while walking home alone.
- Led hackathon team over 36 hours to win First Place Overall at SwampHacks 2022.

<https://devpost.com/software/resq-3tng2a>

AWARDS, MEMBERSHIPS, & VOLUNTEER WORK

Awards: National Merit Scholar, Snow Scholar

Memberships: Open Source Club, Google DSC, UF IPPD

Volunteer Work: Dana-Farber Cancer Inst. / JFK Medical Center – Strolling magic for patients and fundraisers

SKILLS & INTERESTS

Skills: Python, JavaScript, TypeScript, C++, SQL, React, React Native, Django, Figma, ElectronJS, Adobe CC

Interests: Magic (12+ years), Art, Photography, Cinematography, Piano, Fitness