

Declan Sander

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Looking for a unique position pursuing cutting-edge solutions to real-world problems

EDUCATION

Cornell University

B.S. Computer Science
December 2017

Cumulative GPA: **3.684**/4.00

Selected Coursework: Data Structures & Functional Programming, Probability Models and Inference, UNIX Tools, Algorithms, Natural Language Processing, Operating Systems, Machine Learning, System Security

Cornell University

M.Eng. Computer Science
May 2018

Completed a master's project in Spline-based navigation for fixed-wing UAVs, built on top of the Arduplane autopilot system. The system improves aircraft efficiency, operator control, and flight accuracy.

EXPERIENCE

Squarespace

Software Engineer
Aug. 2018 - Present

Moved Squarespace's Analytics Platform from a mostly-YUI frontend to an entirely React frontend as well as adding several new features to the platform

Migrated the Squarespace Analytics Backend from a monolith to a microservice-architecture while adding support for critical new features.

Worked on key components to Squarespace's new 7.1 Website Platform including backend content previews and a highly performant Design Catalog.

Ensured that backend and frontend systems met reliability, observability, and test coverage goals

Built onboarding experiences (using React/Typescript) that improved trial conversion rates for new users, including in-product tutorials, user surveys and feature call-outs.

Wrote several organization-impacting RFCs detailing potential new projects, avenues for improvement, and opportunities for new features.

CUAir

Autopilot Subteam
Sept. 2014 - Jun. 2018

Worked on autopilot system for autonomous fixed-wing UAVs using Ardupilot/Pixhawk

Developed an interface with a MAVProxy-based server and a REST API to transmit data to operator

Created a React/Flux application for UAV monitoring, configuration, and flight path creation

Designed a leafletJS-based front-end visualization tool for monitoring aircraft position

Workday

UX Engineering Intern
Jun. 2017 - Aug. 2017

Built an internal development center with Stack Overflow-style Q&A forum, documentation, LDAP authentication, data scraping, and site-wide search for use by application developers

Used Flask/SQLAlchemy for REST API and proprietary front-end technologies

Led team of interns in deploying full-stack solution on AWS

128 Technology

Engineering Intern, UI Team
Jun. 2016 - Aug. 2016

Built Material Design/React/Redux front-end application for system configuration and monitoring

Developed Selenium/Robot tests to ensure code reliability and prevent regressions

Worked in an agile environment creating production-ready mission-critical code

ZelnickMedia

Summer Associate
Jun. 2015 - Aug. 2015

Provided market research and analysis in Technology, Media and Telecom sectors

Specialized primarily in SaaS platforms and media production companies

Supported deal sourcing efforts and administrative tasks

SKILLS

Programming

Proficient in Typescript, Javascript, React, Python, Java, Spring Boot, Node.js, Git/Bash and HTML/CSS

Tools Design

Experience with in Google Docs/Sheets/Slides, Bloomberg Terminal, and S&P Capital IQ

Limited Experience with in Final Cut Pro, Logic Pro, Adobe Encore, Acrobat and Photoshop