



# Danny Ou

Full Stack Engineer / Mechanical Engineer

## Contact

Phone: 929-266-7202  
E-mail: idannyou@gmail.com  
[GitHub](#)  
github.com/idannyou  
[LinkedIn](#)  
www.linkedin.com/in/idannyou  
[Portfolio](#)  
idannyou.github.io/

## Skills

### Programming

Ruby on Rails	Ruby
SQL	HTML
React	Redux
CSS	JavaScript
MATLAB	Bash

### Engineering Software

AutoCAD	REVIT
TRACE 700	COMSOL
LabView	Pro/ENGINEER

## Education

### App Academy, New York

Binghamton University, SUNY  
(ABET accredited)

*Masters of Science,*  
Mechanical Engineering  
**GPA: 3.88/4.00**  
Graduated in 5/2012

*Minor,*  
Mathematics  
**GPA: 3.74/4.00**

## Work Experience

### Procure: Software Engineer

6/2019 - Present

Complete overhaul of the Documents tool (file and folder storage for construction) by converting an old Ruby on Rails (RoR) application to a Single Page application with REST via RoR, React and MobX state management with TypeScript. Features include:

- Viewer to support multiple file types
- DocuSign integration
- Permission handling
- Tracking documents
- File tagging
- Search and Filter
- Version management
- Check Out / In
- Move To
- Copy and Paste
- Create, Update, Read, and Delete Documents

### Smarmets: Software Engineer

1/2019 - 6/2019

Supported and Improved features for Smarmets new Sportsbook Mobile Application

- Created Android and iOS applications with React Native
- Building out instant deployment to client side mobile phones using code push; this allows deployment to skip App Store approval cycle when just JavaScript is changed.
- Automating Android APK splitting using AABs and AWS S3 syncing with Bitrise.
- Improving start up time by 20% by optimizing async calls with Redux saga.
- Decreasing useless rendering by leveraging memoization with reselect.
- Supporting SBK's landing page with weekly updates and minor features.

### Procure: Software Engineer

7/2017 - 12/18

Supported and Created new features for Meetings, Daily Log, Email, Schedule and Photos Tools

- Improve performance of index pages for Meetings and Daily Log by as much as 1500% by asynchronous content loading with Redux Thunk
- Modernize Meetings and Daily Log tools using React / Redux with Jest and Enzyme tests
- Develop many front end shared components using React and Recompose
- Added Models, Modules, and Controller Endpoints in Ruby on Rails with RSpecs to support new features

## Projects

### Full Stack: [Int-structables @GitHub](#) (Rails, PostgreSQL, JavaScript, React/Flux)

A single-page calculus instructional web app written with JS, React and Flux on the front end, and Rails on the backend, which utilizes AWS for file uploading.

### Front End: [CalcuGraph @GitHub](#) (JavaScript, Canvas, CSS, jQuery, MathQuill, and mathjs)

A single-page interactive graphing application allowing panning, zooming, and approximating tangent lines and areas under the curve.

### Infrastructure: [My Parent Coach](#) (Digital Ocean)

Develop and maintain Wordpress platform for client's business and blog.