

## Work Experience

### *SafeMail - Software Engineer | Sept. 2017 - Present*

- Full-stack engineer building a secure document signing application with React/Redux & Django
- Developed signer-document-access-control protocol by utilizing security tokens:
  - Signer objects have unique keys to access a document package which has a unique key of its own
  - When a request is made to access a document, signer- and document-keys are used to verify that the requester is the intended recipient of the document
  - Verified requester, then, may be asked to go through further verification steps, such as two-factor authentication via sms, based on specified authentication level (set by the sender)
- Work closely with lead designers and product managers to implement useful features including:
  - Custom insert-field that gets dragged & dropped on documents by senders before signing
  - Recipient / Document revision tools that enable the senders to make changes to recipient / document information while preparing documents before sending them out
  - Pre-filling fields (assigned by the sender) based on signer's user-profile values when the signer opens documents to sign
- Created APIs to handle and store document modifications and track document states
- Manage server deployment on AWS

### *Quant Five - Software Engineer | May 2017 - Sept. 2017*

- Collaborate with a team of four In charge of Frontend with React and API-level with Django
- Deploy servers on AWS with Elastic Beanstalk
- Built key components of the app including PDF-HTML converter and HTML-React translator
  - utilized Python PDFMiner.six & HTML-to-React

### *Bellenista - Web Developer | Jan. 2017 - Sept. 2017*

- Built a new website for the vendor along with other developers
- Developing product search features (front- & back-ends) with custom URL

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## Personal Projects

### *Pix – Social Networking Site (React.js, Ruby on Rails, & PostgreSQL)*

- A single-page JavaScript web application that is based on Redux Cycle
- Custom UI design with JSX and CSS. Navigation is enabled through React Router
- Auto-complete user search utilizes AJAX server requests and SQL query
- Features Infinite Scroll that allows users to load thousands of photos with minimal loading time

### *Invasion! – Retro Arcade Game (Vanilla JavaScript, HTML, & CSS)*

- Calculates node entry/exit points using custom algorithms to respond to UI
- Tracks game state and visual representation separately
- Loads images before any action starts to ensure that Canvas draws images before clearing

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## Education

- University of California Berkeley | Class of 2015 | B.A. Economics