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# ARIANA FREITAG

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217 East 16th Street  
Apartment A  
Brooklyn, NY  
11226

## Education

Cooper Union, NY, NY —  
Electrical Engineering,  
Computer Eng Track, 2020  
Cumulative GPA: 3.2  
Major GPA: 3.6  
Innovator Merit Scholarship  
Fedullo Eng Scholarship  
Half Tuition Scholarship

McCallum Fine Arts Academy,  
Austin, TX, 2020.  
Visual Art Major

## Skills

C, C++, Python, Javascript,  
HTML, CSS, Node.js, React,  
Solidity, MongoDB, GraphQL,  
Redux, NumPy, Pandas,  
Selenium, GitHub, Pytorch,  
Sci Kit Learn, Matlab, Agile,  
Scrum, Technical Writing,  
Public Speaking, Adobe  
Photoshop, Adobe Illustrator

## Experience

### The Union Journal, Head Developer, Cooper Union, 2019 - Present

Lead developer for school wide digital journal, focused on design and creativity. In charge of managing a team of 3 developers to re-produce art, architecture, and engineering pieces for Union Journal.

### Center for Employment Opportunities, Data Science Intern, NY, NY — Summer 2019

Developed scripts to scrape information from government database systems for over 40,000 unique participants and analyzed data to assess recidivism rates among CEO participants. Used combination of natural language processing and clustering on SMS text feedback to gain insights about the program and make recommendations for best use. Worked on data migration from Salesforce to Google Big Query using http requests.

### Consensys, Software Engineering Intern, NY, NY — 2017 - 2018

Developed initial white paper of Distribute, a blockchain infrastructure project. Continued work as a software engineer, working on full stack development. Used Solidity to write smart contracts, MongoDB for backend web development, and React for frontend development. Final product deployed to Ethereum test network.

### Generous Art, Intern, Austin, TX — 2016 - 2017

Managed social media, exhibit logistics, and assistant to Executive Director and founder.

### MINDPOP, Fellowship Intern, Austin, TX — Summer 2015

Shadowed Executive Director of MINDPOP. Created and presented a procedural manual for the Board of Directors.

## Projects and Accolades

### Shenzhen Biennial, Cooper Union, Fall 2019

Collaborative piece with architects accepted into biennial. Project tackles issues around facial recognition technology and anonymity. Expected exhibition December 2019.

### Font Generation, Cooper Union, Spring 2019

Collaborated with four students and faculty advisor to develop a class and attribute conditional neural network to generate vector graphics.

### Data Science for Social Good, Cooper Union, Spring 2019

Created installation with a team of engineers and artists using Center for Employment Opportunities Data to educate the public on the difficulties of re-entry after incarceration.

### Center of Policing Equality Police Dataset, Cooper Union, Fall 2018

Competed in a Kaggle contest with a partner to create a dataset by aggregating data across 6 cities and census tracts.

### Black Girls Code, Teacher Assistant, Summer 2018

Taught 24 girls aged 12-18 a pilot blockchain class at Bay Area summer camp.

### Gold Awardee, Girl Scouts of Central Texas, Summer 2016

Created STEM curriculum and educational book for the Boys and Girls Club of Austin. Led a week long summer camp for 40 underprivileged girls focused on coding, robotics, and basic circuit design.

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