



# Noah Zweben

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## Education

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### Columbia University School of Engineering and Applied Science

Sept. 2013 - May 2017 | New York, NY

B.S. Computer Science

Valedictorian Class of 2017, Summa Cum Laude, Tau Beta Pi

## Work Experience

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### Votem, *Lead Front-End Engineer, Online Voting Team*

Sept. 2017 – Feb. 2019 | Cleveland, OH

- Architected election administration platform for government and private customers using React and Redux, allowing election officials to manage all aspects of the voting process.
- Built voter facing application with multi-language ballots, accessibility features, and a customizable UI.
- Developed Votem's JavaScript SDK which was responsible for RSA-AES encryption and decryption of votes and interfacing directly with Votem's Hyperledger Sawtooth Blockchain for vote submission.
- Streamlined election management process through self-service tools for election customization, ballot creation, UI design, vote data visualization, and AWS hosting cutting election deployment time from days to hours.
- Managed two Front-End Engineers, prioritizing, assigning, and reviewing their work to maximize productivity and their professional growth.
- Designed, prototyped, and implemented user experiences and interfaces using Photoshop and Sketch.

### Columbia User Interfaces Lab, *TA & Research Assistant*

Sept. 2016 – May 2017 | New York, NY

- Created multi-device augmented reality applications in Unity to help Art History grad students explore medieval artistic and scientific processes using a HoloLens and Google Tango.
- TA'd an upper level 3D User Interface course taught in Unity spring semester.

### Facebook, *Software Engineering Intern*

May 2016 - Aug. 2016 | Menlo Park, CA

- Developed spam fighting and malicious content infrastructure in Haskell.

### Columbia Emerging Scholars Program, *Instructor*

Feb. 2016 – May 2016 | New York, NY

- Taught and developed curriculum for one-credit survey of advanced topics in computer science to freshmen.

### Vibrant Composites, *Summer Intern*

June 2015 – Aug. 2015 | Cambridge, MA

- Prototyped and developed embedded components for use in a haptic feedback device.
- Designed and fabricated in-house manufacturing equipment for small-scale production.

## Volunteering

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### Microsoft TEALS (Technology Education And Literacy in Schools) , *Teaching Assistant*

September 2018 – Present | Cleveland, OH

- Teach AP CS course twice a week with teacher, assist students with programming assignments.

## Skills & Interests

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**Skills:** React, JavaScript, Web Design, Web Development, HTML, CSS, Unity, Vuforia, Python, OpenCV, Flask, D3, Product Design

**Interests:** Backpacking, Figure Drawing, Painting, Windsurfing, Singing.

