

# Eric Yu Cao

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## Work Experience

### Capital One

Software Engineer

New York, NY

Sept. 2021 - Current

- Established improvements to enterprise security that integrated with existing CI/CD pipelines while reducing toil.
- Developed solutions that automatically classified every container within the enterprise based on container data.
- Delivered notification improvements that reduced data security validation turnaround from 48 hours to minutes.
- Streamlined security group updates on deployed resources through automated upgrades, completely eliminating developer input.

### Capital One Shopping(WikiBuy)

Software Engineer

New York, NY

Aug. 2020 - Sept. 2021

- Lead Engineer on Coupon Engine which generated the vast majority of operating revenue(\$10M+).
- Developed and maintained over 200 retailer specific applications responsible for driving millions in gross revenue.
- Established large scale general applications that ran on thousands of retailers thereby creating a competitive advantage over Honey and Rakuten.
- Implemented unrivalled retailer detection that dramatically improved market share through reducing user attrition.
- Responsible for critical software improvements that contributed to the growth of a 2 million user base to 6 million.

### Capital One

Software Engineer Intern

Plano, TX

May. 2019 - Aug. 2019

- Delivered a system that dramatically improved customer support's workflow, replacing a legacy system of 20 years.
- Fully automated a process that was accounting for 50% of L3 support tickets.
- Designed and implemented a complete timeline of all customer interactions with the enterprise to provide agents with maximum context during operations.
- Created an automated system to verify proof of income through OCR, reducing processing time from days to hours.

### Padder Health

Software Engineer Intern

Washington, D.C.

May 2018 - Aug. 2018

- Developed custom plugins for Epic electronic medical records systems for patient timeline.
- Reduced patient wait time significantly through improvements on medical record transfer.
- Built automated systems to accept medical record transfers from fax, physical mail, and electronic transfer.

### Startup Shell

Engineering Fellow

Washington, D.C.

Oct. 2016 - May 2018

- Supported campus ventures in growth and engineering with total portfolio value of \$20 million.

## Skills

<b>Languages</b>	JavaScript/TypeScript, Python, Java, HTML/CSS, Ruby, SQL, C
<b>Technologies</b>	React, Angular, Amazon Web Services(Certified Solutions Architect)
<b>Design</b>	Figma, InVision, Photoshop, Sketch

## Education

### University of Maryland, College Park

B.S. in Computer Science

College Park, MD

Sep. 2016 - May 2020

- Presidential Scholar

## Projects & Awards

### Ivella - Automatic Transaction Splitting for Couples

YCombinator 2021 - 50M Valuation

May 2020 - Aug. 2020

- Developed prototype interface, card design, and brand identity for Ivella.
- Laid foundation for Ivella's brand before departing founding team for WikiBuy.

### Awards

Misc Hackathon Projects

Aug. 2016 - May. 2020

- BitCamp 2018(ARK Decentralization, 1517 Fund Grant 1<sup>st</sup> Place)
- BitCamp 2017(UI/X 1<sup>st</sup> Place)