

# Andrew Rust

205W 109<sup>th</sup> St. New York, NY 10025 | (252) 637-5438 | [acr2213@columbia.edu](mailto:acr2213@columbia.edu) | [LinkedIn](#)

## EDUCATION

**Columbia University – Fu Foundation School of Engineering and Applied Science**

New York, NY

**M.S. in Computer Engineering**

Expected Dec 2023

Awarded Dean's MS Academic Excellence Fellowship

**Wake Forest University**

Winston-Salem, NC

**B.S. in Engineering; Minors in Computer Science and Mathematics** (Major GPA: 3.8)

Jan 2019 - May 2022

Dean's List, ACC Honor Roll: '19-'20, '20-'21, Senior Oration Finalist ([about](#)), Innovation in Engineering Award

**North Carolina School of Science and Mathematics (NCSSM)**

Durham, NC

Research in Theoretical Mathematics (5 months)

Aug 2016 - May 2018

## TECHNICAL SKILLS AND COMPUTER PROFICIENCIES

**Programming Languages:** Python, Java, MATLAB, HTML, CSS, JavaScript, R, Lua

**Frameworks/Tools:** Bitbucket, GitHub, Jira, React Native, LaTeX, Domo, Simulink

**Creative Software:** Adobe (Premiere Pro, Photoshop, XD, After Effects, InDesign) DaVinci Resolve, GIMP, Cakewalk, Bandlab, Audacity, Unity

**Other:** Microsoft Office, Webflow, Fusion360, Arduino, Cura, Lightburn, Firebase, Google Cloud Services

## PROFESSIONAL AND LEADERSHIP EXPERIENCE

**Dub Dates Co.** ([website](#))

Remote

Front-end Developer, Technology & Strategy Consultant (part-time)

Jun 2022 – Present

- Joined startup company as first hired employee shortly before company's inception into TechStars-Atlanta, class of 2022
- Work alongside CTO, CEO to develop innovative mobile app to facilitate matchmaking across 14 college campuses on the east coast
- Utilize software tools including Bitbucket, Jira, React Native, REST APIs, Adobe XD to wireframe and develop iOS/Android app

**ByteSize Learning, LLC** ([website](#))

Remote, Winston-Salem, NC

Co-Founder and CEO (part-time)

Sep 2020 – Present

- Co-founded a technology education company aimed at promoting interest in STEAM careers for children in grades 3-12
- Manage up to 10 new hires across website design, course content development, marketing, community outreach and sales
- Expanded company network to over 80 professionals and obtained partnerships with 5 local organizations within the first 18 months
- Pitched at [2022 ACC InVenture Prize](#), [2022 WFU Demo Day](#), exhibitor at [IdeasCityWS](#), [Science & Innovation Expo of W-S](#)

Platform Development Lead, Technology Instructor (part-time)

- Create teaching guides, syllabi, lesson plans and projects for 8 courses in multimedia software, game design, and programming
- Design and debug e-commerce website infrastructure with the use of Webflow, HTML, CSS, and JavaScript
- Increased website traffic from 0 to over 400 monthly visits in 15 months through white hat SEO optimization and digital marketing

**Din Din, LLC** ([website](#))

Remote

Summer Tech Intern (part-time)

Jun 2022 – August 2022

- Worked directly below the COO and VP to assist in technology-related operations of venture-backed food delivery business
- Created spreadsheets compiling data on technology development, analytics, and market research for recommendations to executives
- Advised and coordinated with third-party development team to strategize on long-term product development initiatives

## PROJECTS AND ACADEMIC EXPERIENCE

**Sketch N' Project – Wake Forest Engineering Capstone Project** ([details](#))

Winston-Salem, NC

Computer Engineer, Agile Manager

Aug 2021 – May 2022

- Collaborated with 4 fellow engineers to create an interactive, projector-based museum exhibit for Kaleideum, a local science center
- Supervised aspects of internal team dynamics, stakeholder communication, and SMART goal setting using Agile methods

**Wake Forest University Engineering Department**

Winston-Salem, NC

Engineering Student Advisory Council Member, EGR 111 Teaching Assistant, ([Portfolio Website](#), [Profile](#)).

Aug 2020 – May 2022

- Provided feedback to over 100 engineering students on graded assignments and assisted in 3-D printing, laser cutter workshop
- Adjoined monthly with fellow students and faculty to improve program resulting in 5-yr ABET accreditation through 2027

## EXTRACURRICULAR EXPERIENCE

**Varsity Baseball – Wake Forest University**

Winston-Salem, NC

Right-handed Pitcher

Jan 2019 – Jun 2022

- Devoted more than 30 hours per week year-round to athletics in addition to full-time student status
- Developed teamwork, resilience, and self-discipline skills as a member of a top-25 ACC Baseball Program

**HOBBIES:** Video/Music Production, Basketball, Fitness, Philosophy, Minecraft Engineering, PC Building