

ANDREW RUST

+1 (252) 627-5438 ◇ New York, NY

andrewrust30@gmail.com ◇ [LinkedIn](#) ◇ [GitHub](#) ◇ [Portfolio](#)

OBJECTIVE

Full-stack engineer with experience across a range of both technical and forward-facing roles seeking [position]

EDUCATION

M.S. Computer Engineering, Columbia University (CU) Expected Dec 2023

Relevant Coursework: Networking: Content Storage and Distribution, Computer Networks, Anonymity & Privacy, Artificial Intelligence, Software Engineering (Columbia Build Lab)

B.S. Engineering, Wake Forest University (WFU) Jan 2019 - May 2022

Minor in Computer Science, Mathematics

Relevant Coursework: Data Structures and Algorithms (Java), Intro Statistics, Software Engineering, Control Systems and Instrumentation, Computational Modeling, Engineering Capstone I-III, Startup Lab

High School Equivalency, North Carolina School of Science and Mathematics (NCSSM) 2016 - 2018

Research in Mathematics

Relevant Coursework: Calculus I-III, Linear Algebra, Web Development, Procedural Programming

SKILLS

Programming Languages:	Python, Java, MATLAB, JavaScript, HTML, CSS, R, Lua
Product Management:	Bitbucket, Git, GitHub, Jira, Confluence, Firebase, GCP
Frameworks/Tools:	React, React Native, Flask, Slack Bolt, REST APIs
Databases:	Firestore, PostgreSQL, NoSQL, MySQL, Domo
Creative Software:	Adobe Creative Suite, GIMP, Bandlab, Audacity, Unity, Shotcut
UI/UX & Prototyping:	TailwindCSS, MaterialUI, Figma, Microsoft Office Suite, LaTeX, Fusion360
Other:	Webflow, Arduino, Cura, Lightburn, Linux OS

EXPERIENCE

Founder, CEO, Tech Lead Sept 2020 - Present

ByteSize Learning LLC ([website](#)) *Winston-Salem, NC*

- Founded a technology education company that promotes technology careers for children in grades 3-12.
- Lead development and delivery of 8 courses in multimedia software, game design, and programming, including creating teaching guides, syllabi, lesson plans, and projects for online courses taught to over 120 children
- Showcased in 5 community events in two cities([1](#),[2](#),[3](#),[4](#),[5](#)) and networked with 140+ professionals in all industries
- Led development of full-stack eCommerce website and grew user base to over 800 monthly visitors
- Manage a team of up to 10 interns across web design, course development, marketing, and community outreach

Software Engineer Feb 2023 - Present

DS Sports Ventures - Yakkertech Division ([website](#)) *Remote*

- Built internal tools using Python and Slack Bolt, leveraging REST APIs to access a Strato MySQL DB
- Led PM efforts using Confluence, Slack, and Jira to streamline workflows and with 4 cross-functional teams.

Front-end Engineer Jun 2022 - Present

Dub Group, Inc. (Whirl) ([website](#)) *Remote*

- Joined as the first hired employee shortly before the company's acceptance into TechStars-Atlanta, class of 2022.
- Collaborate with the CTO and CEO to design, develop, and launch an innovative app on 14 college campuses
- Lead front-end of development utilizing management tools including Bitbucket, Jira, and GitHub
- Designed and implemented login process using Figma for prototyping and React Native for development

Software Engineer

LogTrack Co. ([website](#))

Jan 2023 - Present

New York, NY

- Developed and launched the landing page, integrating analytics to track website traffic and user behavior.
- Collaborated with two backend engineers and the CTO to implement key functionality for the desktop app

Technology Consultant Intern

Din Din LLC. ([website](#))

Jun 2022 - Aug 2022

Remote

- Reported to COO and VP to assist in technology operations of venture-backed food delivery business
- Compiled data on website analytics and market research for recommendations to executives
- Coordinated with a third-party development team to strategize on long-term product development initiatives

Technology Consultant, Acting CTO

Q Social Technologies ([website](#))

Jun 2022 - Present

Remote

- Developed website MVP, branding guidelines, and go-to-market strategy alongside 2 founders
- Played a key role in technology selection, recommending tools to optimize website traffic and user experience.

Gradaute School Admissions Mentor

MyMentor Co.

Nov 2022 - Present

Remote

- Provide guidance and support to 5+ international students seeking admission to top-tier universities
- Advise full application packets, leveraging personal experiences to help applicants stand out

VP of Operations & Technology

Ted Rust Ministries ([website](#))

Oct 2022 - Present

Remote

- Designed logo, website, and preliminary business strategy for online ministry service for over 150 members
- Build spreadsheets compiling customer data and develop marketing and monetization strategies
- Edit and produce weekly videos for a YouTube channel using GIMP, Shotcut, and Adobe Creative Suite

Co-Founder

Rust Brothers' Labor Services

Jun 2015 - Sep 2018

New Bern, NC

- Oversaw scheduling, ensuring efficient allocation of resources and timely completion of over 20 projects.
- Led management of larger-scale projects, leveraging strong organizational skills to optimize resource allocation

PROJECTS

ByteSize Learning Website[2023] Built a full-stack eCommerce website using React, TailwindCSS (Front-end), Python, Flask, Stripe (Back-end), Firestore, Firebase, Cloud Run, GitHub, and Docker(DB, deployment and hosting)

Whirl Data Dashboard[2023] Created a live dashboard with charts and graphs of user analytics for 300+ users as an internal tool from 25,000+ lines of JSON. Parsed in JavaScript and built using React, TailwindCSS, and Firebase

LogTrack Web App[2023] Re-designed and implemented 10+ new features using React, Material UI, and REST APIs to truck tracking app build on top Tracer for logistics startup

ELC Website[2023] Designed, prototyped, and built a website from scratch using React, TailwindCSS, Firebase, and GitHub Actions. Documented and abstracted functionalities for future club executives

Internal Slack Bot[2023] Revamped existing internal tool fetching images and data from a MySQL backend into interactive Slack bot for improved customer service

LogTrack Landing Page[2022-2023] Designed and built a landing page from scratch using React, TailwindCSS, Firebase, and GitHub Actions. Used React hooks to make the site responsive and interactive

Portfolio Website[2022] Designed and built a portfolio website showcasing educational background, professional experiences, and awards using React, Firebase, and GitHub Actions

Sketch n' Project[2022] Collaborated with 4 fellow engineers to design and develop an interactive, projector-based museum exhibit for a local science center (Kaleideum in Winston-Salem, NC) using Swift, Trello, and Adobe XD

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

Columbia Engineering, Columbia Entrepreneurship & Columbia Business School (2022-2023)

- Teaching Assistant for Entrepreneurial Greenhouse Spring 2023 Cohort, CTech Founders Track
- Lang Center Entrepreneurship Fellow for Columbia Entrepreneurship, Innovation, and Design (CEID)
- VP of External Affairs & Marketing for Entrepreneurship, Leadership, and Consulting (ELC) Club

Wake Forest University (2019-2022)

- Wake Forest Engineering External Advisory Council (EAC) Member, class of 2022 representative
- Startup Lab 2022 Cohort Member, Demo Day Entrepreneur at WFU Entrepalooza
- Wake Forest Varsity Baseball - Right-handed Pitcher for 4 seasons

AWARDS

Columbia University (2022-2023)

- Dean's MS Academic Excellence Fellowship Recipient
- Professional Development, and Leadership (PDL) Fellow

Wake Forest University (2019-2022)

- Innovation in Engineering Award from Engineering Department (2022)
- Senior Orator for 2023 Senior Colloquium ([video](#))
- Dean's List (2019-2022)
- ACC Honor Roll from NCAA (2019-2022)

HOBBIES

Video/Music Production, Basketball, Fitness, Philosophy, Minecraft Engineering, PC Building, UI/UX Design