

# Anthony Dattolo

anthonydattolo@gmail.com | tonydattolo.com

## Github Profiles:

github.com/tonydattolo

github.iu.edu/tdattolo

## Programming Languages:

Core: Python, JavaScript

Secondary: Java, Solidity, Swift, C

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## Professional Experience

### MultiversityDAO, Remote

May 2022 – Current

Software Engineer

- Invented decentralized university utilizing marketplace dynamics and blockchain functionality allowing students, professors, and employers to own the platform, verify smart degrees, teach or license courses, and participate in curriculum shaping through proposals and bounty mechanisms
- Developed features using Brownie, Solidity, useDapp, Polygon, Thirdweb, MetaMask, Coinbase, Django Rest Framework, PostgreSQL, Redis, NextJS, Redux-Toolkit Query, Redux-Persist, Scss Modules, React-Bootstrap, Formik, and Yup
- Deployed 10 semver releases using a devops process of Cypress, DRF-Testing, GithubActions, DigitalOcean, and Vercel
- Programmed 120,000+ lines of code resulting in production grade web3 blockchain enabled decentralized application

### Bank of America Merrill Lynch, New York, NY

June 2018 – August 2018

Global Wealth & Investment Management Summer Analyst

- Created investment proposals for \$30mm+ in prospective assets by optimizing allocation strategy, saving 10-60bps
- Optimized portfolios using wealth management techniques, rebalancing \$110mm+ worth of assets and 20+ clients

### Anthony & Sons Bakery, Denville, NJ

May 2015 – February 2018

Business Development & Marketing

- Launched multi-channel B2B marketing campaign targeting 200+ Category Buyers/Directors, cultivating client acquisition pipeline opportunities for the domestic frozen bread market with an aggregate buying power of \$14bn+
- Negotiated contracts with 3 key accounts generating \$3mm+ in total yearly sales and distribution to 600+ retail stores

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## Projects & Competitions

### Contractory, No Code Smart Contract SaaS App

- Engineered no-code smart contract application utilizing Web3.py, Brownie, Solidity, Ethereum, Django Rest Framework API, NextJS, Redux Toolkit-Query, useDapp, and ethers.js, creating a working minimum viable product
- Programmed 50,000+ lines of code over 93 commits with 9 pull requests resulting in 13 major features shipped

### TwitterClone, Social Media App

- Built chat, post, feed, account management, and profiles features resulting in a twitter-like clone application
- Architected 18 step development process for team utilizing Gitflow Workflow, virtual environments, design patterns, and clean code principles resulting in a consistent well-organized codebase
- Directed pull request review system using agile project management techniques in Jira resulting in 8 successful team sprints
- Programmed 7,600+ lines of code over 50 commits with 15 pull requests, resulting in 8 major features shipped

### Mancala Artificial Intelligence Bot Competition: Silver State Algorithm

- Invented an undefeated greedy algorithm utilizing a heuristic derived from an optimization of the golden state pattern, placing 1<sup>st</sup> of 150+ participants

### Product Feature Design Cases: MindBody, Realtor.com

- Collaborated with 5 team members utilizing design sprints to conduct user research, prototyping, wireframing, and usability testing placing 1<sup>st</sup> of 10 teams on two separate client product feature designs

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## Technical Skills

**Systems/Tools:** Linux, bash, UNIX, Windows, VSCode, Jira, Discord, Zoom, Slack, Version Control, Git, Mailgun, Google Suite

**Frameworks:** Django, Django Rest Framework, React, NextJS, iOS(Xcode), OpenAPI

**Styling/Formatting:** Bootstrap, React-Bootstrap, CSS, Sass/Scss, HTML, Markdown

**Data/Database/DevOps:** SQL, PostgreSQL, Numpy, Matplotlib, Pandas, pipenv, Docker, Heroku, Vercel, DigitalOcean

**Design:** Agile (Scrum), Sprints, Adobe XD, Wireframing, Prototyping, User Research, Usability Testing, UX/UI, Kanban

**Business:** Financial Modeling, Presentations, Salesforce CRM, Bloomberg Terminal, Excel, Sales B2B/B2C, Negotiations

**Hackathons:** MiamiHackWeek, DAOHacks, ETHDenver, ETHNewYork, LaunchHouseNYC, ChengWu, ChainLink2022

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## Education

Indiana University, Bloomington, IN

Bachelor of Science in Computer Science

May 2022

GPA: 3.66/4.00