

TONY DATTOLO

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Github Profiles:

github.com/tonydattolo
github.iu.edu/tdattolo

Programming Languages:

Core: Python, JavaScript
Secondary: Java, Solidity, Swift, C

EDUCATION

Indiana University, School of Informatics, Computing, and Engineering, Bloomington, IN

Bachelor of Science in Computer Science

May 2022

GPA: 3.65/4.00

PROJECTS & COMPETITIONS

No Code Smart Contract SaaS App

Current

- 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 75,000+ lines of code over 93 commits with 9 pull requests resulting in 13 major features shipped

Twitter Clone

Fall 2021

- Built application using PostgreSQL, Django Rest Framework API, NextJS, Redux Toolkit-Query, Sass, React-Bootstrap, Heroku, Vercel, pipenv, npm, swagger, JWT Auth, and redux-persist resulting in working twitter-like clone
- Architected 16 step development process for team utilizing Gitflow Workflow, virtual environments, 5 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

Buildwithcarr.com

Summer 2020

- Built responsive client website with HTML, CSS, Sass, Bootstrap, Formspree, and Github pages with 0\$ on-going costs

Mancala Artificial Intelligence Bot Competition: Silver State Algorithm

Spring 2020

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

Product Feature Design Cases I-441: MindBody, Realtor.com

Fall 2019

- Placed 1st for product feature designs on 2 separate client cases based on user research, data, and solutions from external industries
- Collaborated with 5 team members utilizing design sprints to conduct user research, prototyping, wireframing, usability testing resulting in 1st of 10 teams on two separate client product feature designs

PROFESSIONAL EXPERIENCE

Bank of America Merrill Lynch, New York, NY

June 2018 – August 2018

Global Wealth & Investment Management Summer Analyst

Anthony & Sons Bakery, Denville, NJ

May 2015 – February 2018

Business Development & Marketing

COMMUNITY SERVICE & LEADERSHIP

Web3 Dev Club, Bloomington, IN

September 2021 – Present

President & Founder

- Oversaw blockchain software development student interest group for 30 weeks across 2 semesters

The Petey Greene Program, Annandale, NJ

September 2017 – May 2018

Volunteer Prison Tutor

- Instructed 15+ incarcerated individuals weekly at the Mountainview Youth Correctional Facility to attain their G.E.D.

TECHNICAL SKILLS

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

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

Styling: Bootstrap, React-Bootstrap, CSS, Sass/Scss

Data/Database: SQL, PostgreSQL, Numpy, Matplotlib, Pandas

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