CHRISTOPHER ROCCO

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EDUCATION

University of Alabama at Birmingham (UAB) — **Birmingham, AL**

B.S. Computer Science — *2015 - anticipated 2019*

- **Relevant coursework**: Algorithms, Software Engineering, Data Structures, Linear Algebra, Computer Architecture, Discrete Mathematics, Language Theory, Object-Oriented Design, and Programming Languages
- **Major GPA**: 3.45

WORK EXPERIENCE

UAB School of Medicine — **Birmingham, AL**

Software Developer | Department of Energetics — *2016 - present*

- Lead developer for open-source platform used to conduct meta-data analysis widely adopted across departments
- Implemented identity and access management for sensitive research data across a distributed environment
- Designed domain data models reflecting established department workflows composed of SQL and NoSQL databases
- Demonstrated usage of different testing patterns, continuous integration processes, and build deployment systems

Nutrition and Obesity Research Center — **Birmingham, AL**

Programmer / Data Analyst — *2016 - 2017*

- Developed an educational web portal supported by the National Institute of Health under an R25 educational research grant. Portal allows students to work together on mini-research projects in a controlled environment
- Web portal was deployed in eight Birmingham City Schools as part of the curriculum
- Pulls research articles from PubMed Central API and distributes them amongst student groups.

SELECTED INDEPENDENT PROJECTS

Vector Applications LLC - https://vectorapplications.com — **Birmingham, AL**

Founder | Enterprise Software Development Agency — *2016 - present*

- Defined strategic direction and tactical oversight for operations, sales, product development, and maintenance
- Oversaw development and implementation of numerous custom information management solutions for clients, including collaborative real-time apps, product launch websites, website redesign, and content management

LEADERSHIP AND INVOLVEMENT

- Chosen to serve as student representative on UAB CS Board of Advisors.
- Graduate of ten week UAB Business Accelerator Bootcamp.
- President and Chair of active ACM Chapter at UAB with over fifty members.
- Directed annual High School Programming Contest at UAB.
- Director and host of Hack Nights - a weekly developer meetup.

SKILLS AND INTERESTS

- **Languages and Technologies**: Proficient with Typescript/ES6, Angular6, Java, Python, PHP, SQL, NodeJS, HTML5/CSS3 Experienced with Git, Docker, Kubernetes, GCloud Platform, AMQP, LAMP/MEAN Stacks, and distributed architectures.
- **Organizations:** Worked closely with Women Who Code, Innovate Bham, Urban Engine to host CS programs
- **System Architecture:** Proficient in structuring a database, web service, and rich client side application from scratch.
- **Servers:** Knowledge of how of web servers operate on a low-level. Familiar with web protocols, developing APIs, and scaling web applications. Ability to increase performance and diagnose problems.