

Timothy James Barrett

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Objective

Seeking an engaging and challenging full time computer science position starting June 2020.

Education

Stevens Institute of Technology

Bachelor of Science in Computer Science, GPA: 3.03

Hoboken, NJ

Expected May 2020

Accolades: Edwin A. Stevens Scholarship

Relevant Coursework: Data Structures, Algorithms, Agile Methods for Software Development, Team Programming, Concurrent Programming, Database Management Systems, Human-Computer Interaction, Online Social Networks, Project Management.

Programming Languages and Programs:

Proficient in Python, Java, JavaScript, Node.js, C++, HTML/CSS, Git, Visual Studio Code.

Familiar with React, SQL, MongoDB, R, C, C#.

Work Experience

New Jersey Innovation Institute

Newark, NJ

Project Assistant, Innovation Services

June 2019 - August 2019

- Secured project funding from and strengthened relationship with New Jersey's largest health care network Hackensack Meridian Health.
- Redesigned and developed project proposals to identify and utilize sources of internal innovation within Hackensack Meridian Health's hospital network, with potential to save millions on physician operations.
- Conveyed and translated executive goals to in-house products to realize optimal pricing and marketing strategies.
- Qualified and evaluated 30+ idea management programs for optimal internal and external usage.

Independent Contractor

Hoboken, NJ

IT Consultant and Engineer

August 2017 - May 2019

- Diagnosed and resolved software and hardware problems on PCs, laptops, workstations and printers for clients.
- Designed and custom built workstations based on clientele requirements.
- Expanded server networks and improved cable management.
- Orchestrated in-office lessons in solutions for common technical obstacles in the workplace.

Projects

tjbarrett42.github.io

Personal website - HTML, CSS, JS, jQuery

- Designed a custom central hub for portfolio projects and contact information.

Agent-based Model of Infectious Disease

Group final project for course in Quantitative Biology - Python

- Designed and developed a simulation of autonomous interactions within a human population to closely model the 2014 West Africa ebola outbreak.
- Implemented CSV exporting to compare datasets with various levels of infection, vaccination, density, and agent movement.



Leadership and Volunteer Experience

Kappa Sigma Fraternity, Rho Omega Chapter

Hoboken, NJ

Brother, Webmaster

November 2018 – Present

- Volunteered +20 hours per semester for scholastic, local, and regional causes.
- Updated and maintained the chapter website with newsletters, content, and quality of life improvements.

Student Government Association

Hoboken, NJ

Senator, Webmaster, Budget Committee

October 2016 – December 2018

- Represented and advocated for the student body's interests in cooperation with 50+ student leaders.
- Founded the Website Committee for site development to strengthen social media presence on campus to students.
- Analyzed and examined budget requests to determine procedure and regulation conformity.