

# Timothy James Barrett

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## Objective

Seeking an engaging and challenging full time computer science position.

## Education

### Stevens Institute of Technology

Hoboken, NJ

*Bachelor of Science in Computer Science, Economics Minor*

Expected May 2020

**Accolades:** Edwin A. Stevens Scholarship

**Relevant Coursework:** Discrete Structures, Data Structures, Algorithms, Agile Methods for Software Development, Systems Programming, Programming Languages, Operating Systems, Team Programming, Automata and Computation, Concurrent Programming, Database Management Systems, Human-Computer Interaction, Online Social Networks, Microeconomics, Macroeconomics, Project Management

### Programming Languages and Programs:

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

Familiar with XML, SQL, MongoDB, R, C#, Scheme.

## 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

- Troubleshoot, repaired 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*

- Designed and developed a custom central hub for portfolio projects and contact information.
- Built with HTML, CSS, JS, and jQuery for a clean viewing experience on both desktop and mobile.

### Spotify Stats

*Group final project for Web Development course*

- Combined Spotify Web API and MongoDB functionality to develop a web application that lets users search and create playlists in-browser.
- Designed secure login, logout, and cookie authentication allowing for persistent tracking of playlists.



## 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.