NATAN CEBALLOS

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EDUCATION

New Jersey City University, Jersey City, NJ   June 2025
Bachelor of Computer, concentration in Cybersecurity
- Relevant Coursework: CS101, Math 175, CS120
- Honors & Awards: (scholarships, honors programs, honor societies, Dean's or Provost's List with semester/year)

PROJECTS

New Jersey City University, Jersey City, NJ
Login and Registration with Handlebars, Node, and Passport   Semester Year
- It's a single-person hobby project that uses mongod to connect locally to the atlas cluster in order to register users and logins.
- Passport rather than cookies for authentication. Mongoose was used to create the database schema. API testing using Postman with a GET / Post request endpoint to localhost. "Handlebars" NPM package to render pages.
- I learned about the Model View Controller design pattern, RESTful APIs, configuring MongoDB with a development environment, how to work with mongoose, and using Postman to test CRUD APIs requests.

RESEARCH EXPERIENCE

Summer Experiences for the Economically Disadvantaged Scientific Researcher (SEED),
Jersey City, NJ,
Scientific Research Intern   Summer 2019
- Applied drone technology in an environmental study by collecting CO_2 data, using an Arduino Kit, a CO_2 sensor, Humidity and Temperature Sensor, to understand the effects of climate on CO_2 dispersion.
- Received input from Thomas J. Liu, Ph.D on environmental research project.
- Awarded 2nd place in the North Jersey Section Research Poster Competition from The American Chemical Society.

EXPERIENCE

Bhorosha Nonprofit Organization, Remote, Bangladesh
Front End Software Engineer   October 2020 – Present
- React user sign up and login page.
- Authentication and access control using jwt-token.
- Expected launch is before February 2022.

SephardicCenter.org, Union City, NJ.
Freelance Web Developer   February 2021 – September 2021
- Integrated Code-Splitting and Tree-shaking to conditionally load pages and improved Speed Index by 90%.

- Implemented Defer Rendering and image Lazyload Rendering using next-gen image formats based on browser and user device. Improved initial render performance by 5 seconds total (Wordpress: 6s average load. React: 0.5s average load).
- Built the initial Wordpress website and later refactored to React in 3 months of development time.

City of Union City, Union City, NJ
Tax Assessor   October 2020 – September 2020
- Filed property locations with a system based on Block and Lots.
- Organized files and folders within the archives.

Johnson & Johnson: Technology Awareness Program (TAP), Newark, NJ
Information Technology Intern   September 2018 – November 2018
- I utilized Marvel.app to create a mockup of a new service that bundles medical equipment dependent on surgical requirements and presented our team's proposal to a panel of judges.
- Awarded Letter of Commendation for solving a business case imposed by Johnson & Johnson.

LEADERSHIP
New Jersey Institute of Technology: Real World Connections, Newark, NJ
Selective Leadership Trainee   March 2019 – May 2019
- Participated in a select leadership training program to co-coach the Real World Connections curriculum.
- Awarded the Certificate of Leadership in recognition for outstanding leadership talents and significant contributions that have had a big impact on the program community.

New Jersey Institute of Technology: Real World Connections Mount Olive, Newark, NJ
Web Development Assistant Teacher   July 2020 - August 2020
- Middle school students were virtually tutored on Web Development fundamentals (just HTML5 and CSS3) to encourage them to pursue a career in technology.
- Students created a website about the significance of wearing masks during the COVID-19 pandemic and the effects in our world, which is hosted on Replit.com.

SKILLS:
Git, Visual Studio Code, Postman, MongoDB, Mongoose, Jira, Agile Scrum, Amazon Web Services (AWS, not all of them),

LANGUAGES: Fluent in React, Node, HTML5, CSS3