

Benjamin F. Saks

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EDUCATION

SUNY New Paltz

New Paltz, NY

Bachelor of Science in Computer Science

August 2019 – Expected May 2023

- Cumulative GPA: 3.4 — Major GPA: 3.5
- Relevant Coursework: Computer Science I / II Data Structures / III Web Development, Assembly Language & Computer Architecture / Object Oriented Programming / Software Engineering / Digital Logic Fundamentals / Discrete Mathematics / Language Processing / Operating Systems / Discrete Algorithms

EXPERIENCE

Digital Technology Software Engineer Intern

Aug 2022 – Present

GE Vernova

Remote

- Developed a data streaming tool for Gas Turbines using a Raspberry Pi and UDP sockets in Rust

Digital Technology Intern

May 2022 – July 2022

GE Gas Power

Atlanta, GA

- Planned and created a new communication system between a support team and employees
- Developed a NodeJS application to interact with smartsheet's API to manage thousands of different cases and send automated emails to employees
- Created and deployed an AWS Lambda function to improve the current process by 50%

Quantitative Analyst Intern

June 2021 – July 2021

Techodet

Huntington Station, NY

- Performed research into companies across the U.S on their diversity and equity
- Constructed a python script using pandas, and matplotlib, to clean data from over 500 companies to evaluate an equation that measures hiring equity
- Created a webapp with flask as the backend to allocate any programs to a central location to be repeatedly used

PROJECTS

D&I CSV to PDF Generator | *Python, Pandas, Matplotlib, Flask, HTML/CSS, Javascript*

- A web application to easily process multiple csvs into readable diversity and inclusion data
- Dynamically creates a visual layout with different charts, and graphs according to each csv
- Securely store and retrieve past data

Breath of Fresh Air | *Vassar Hackathon 2022 Awarded: 1st Place in Environmental Hack: NodeJS, Bootstrap, Javascript*

- An application to reduce air pollution by user location
- Aggregated Air Quality Index data from hundreds of cities to target those with poor scores
- Provided the user with different resources to get involved in their community to reduce air pollution

Anonymous Hires | *HVTechFest Hackathon 2021 Awarded: Workforce Development Prize: Python, Pandas, JS, Bootstrap*

- Software to eliminate bias and unconscious bias in the hiring process
- Implemented data sets from <https://www.onetcenter.org/> to recommend candidates to employers
- Created a front-end interface for employers and candidates

Internal | *C++, Unreal Engine*

- Led a team of 4 people to create and develop A 3D action adventure game
- Developed an in-depth Enemy AI for the player to fight, manipulate and control

TECHNICAL SKILLS

Languages: Java, C/C++, Python3, JavaScript, HTML5/CSS3, Assembly, LaTeX, SQL, Rust

Frameworks/Libraries: VueJS, ReactJS, NodeJS, Flask, TailWindCSS, Bootstrap, Pandas, Numpy, Matplotlib

Developer Tools: Visual Studio Code, Git, Vim, MySQL, Unreal Engine

LEADERSHIP

New Paltz Computer Science Career Club

September 2021 – Present

President

- Founded a club for students to learn and engage with practical programming
- Hosted guest speakers to explain post academic careers
- Organized career development focused programs