DANIEL HAMAM
SOFTWARE DEVELOPER

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EDUCATION

Stony Brook University   **Graduation: May 20, 2021**
B.S. Computer Science, *Cum Laude*
 GPA: 3.60
 Honors/Awards: Honors College Diploma, Stony Brook Presidential Scholarship, NYS Regents Academic Excellence Award, IB Diploma Student, NYS STEM Scholarship Award

TECHNICAL SKILLS

 Languages: Java Python JavaScript C Bash HTML/CSS Powershell OCaml SQL
 Tools, Frameworks & Libraries: Node.js React.js Git Bootstrap Django Spring jQuery JPA Tkinter
 Graphic Design Software: Final Cut Pro Blender 3D Photoshop Premiere Logic Pro X

WORK/VOLUNTEER EXPERIENCE

Computer Science Teaching Assistant, Stony Brook University (Stony Brook, New York)   **January 2020 – May 2020**
- Instructed lab sessions twice a week, clarifying inquiries on Java data structures and syntax.
- Held weekly one-to-one office hours to unravel issues behind Java-related software bugs.
- Assisted in grading of programming labs and midterm exams for over 50 students.

City of Yonkers Intern, IT Department (Yonkers, New York)   **May 2018 – August 2018**
- Engaged with Laserfiche for document management in transforming the city's paper records to a virtual format.
- Completed a project to facilitate the switching of Java versions to ease developers' use of legacy programs.
- Partook in back-end management of accounts registered to the city website's database.

SOFTWARE PROJECTS

Music Production Sales   **December – January 2020**
- An engineered Node.js application public at prodbyhamam.com to provide sales and pricing services for personal music compositions. Features contact options available using the node-mailer module to format and e-mail the message. DNS records are set by GoDaddy with the CNAME redirected to a Heroku domain, where the source code is uploaded.

District Plans Generator   **September - December 2020**
- A collaborative project: This web application generates congressional district plans for a State based on demographic constraints using publicly available data from the US Census. Implemented with a python algorithm executed through Bash commands by Stony Brook's *Seawulf* server.

Daily To-do List Management Application   **November - December 2019**
- A React-based bootstrapped application featuring user creation, deletion, and modification of daily to-do lists, each of which is classified under a name and owner. Involves a NoSQL database that allows a user to sign in with their login credentials and resume their previous work.

Wireframer for Website Prototypes   **October - December 2019**
- Wireframer application built using React, Redux and HTML that supplies user creation of pseudo-websites with a set of options for customizable text-fields, containers, buttons, and labels with zoom abilities. Application manages and saves a user's progress using Firebase, Google's cloud-hosted NoSQL database.