

# Ron Gorai

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## EDUCATION

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**Stevens Institute of Technology** | Hoboken, NJ

Bachelor of Science in Computer Science

*August 2018 – May 2023 (Expected)*

GPA: 3.64

Awards: Edwin A. Stevens Scholarship

Dean's List: Fall 2018, Spring 2019, Summer 2020, Spring 2021, Fall 2021

## SKILLS

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**Software:** Visual Studio Code, GitHub, Linux, Postman, Salesforce, Travis CI, Swagger, Microsoft Azure DevOps, Android Studio, MS Office

**Programming:** JavaScript, React JS/TS, Python, Git, Java, C/C++, MongoDB, HTML, S/CSS, CLI, Kotlin

**Relevant Coursework:** Algorithms, Programming Languages, Systems Programming, Operating Systems, Data Structures, Discrete Structures, Software Development Process, Computer Architecture, Web Development, Concurrent Programming

**Speaking Languages:** Bilingual in English and Bengali; Spanish (Conversational)

**Interests:** *Music:* Guitar, Audio/Video Equipment; *Sports:* Snowboarding, Bowling, Ping Pong

## PROJECT EXPERIENCE

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### Personal Website

Public MERN Stack Application

*December 2021 – April 2022*

- Inspired by Web Programming Final Project
- Developed codebase and UI/UX on my own
- Designed code structure in a team-oriented fashion
- Learned how to prepare web application for deployment with Heroku and Google Domains
- Utilized Google ReCAPTCHA API to protect guestbook form

### Web Programming Final Project

Local MERN Stack Application

*October – December 2021*

- Learned how to build a full-stack application with React, Express, and MongoDB
- Used JWT to manage user sessions and protect certain server actions
- Decided to use React for the project even though this class taught us Handlebars for front-end
- Helped groupmates understand how React works and why we should use/learn it over Handlebars
- Took charge and divided project tasks between groupmates based on strengths and interests
- Managed dev ops and code quality on par with industry standards

## PROFESSIONAL EXPERIENCE

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**NeuraFlash** | Burlington, MA

Software Developer Co-op

*January 2022 – Present*

- With React TS, rebuilt an internal tool that helps developers working with Salesforce Einstein Bots create JSON payloads that are used to enhance the UI of their bots
- Designed system for the application where forms for each type of payload are generated automatically by a seed object, utilizing recursion to parse and render values nested in the seed
- Created syntax similar to MongoDB query operators to override certain features of the form generation, like what kind of element is generated for a certain seed value
- Wrote Python scripts to parse JSON and CSV data for company clients

**IBM | San Jose, CA**

## Front-End Developer Co-op

*May – August 2021*

- Created and improved various UI components with React JS
- Used Python and Swagger to test JSON payloads and improve backend API error handling
- Researched testing platforms for React projects such as Jest, Puppeteer, and Cypress
- Wrote unit and integration tests with Cypress and created documentation for others to do the same
- Set up Travis CI build with Cypress integration

**ZAIS Group | Holmdel, NJ**

## Technology and Analytics Co-op

*February 2020 – May 2021*

- Wrote Python scripts to scrape ESG data from various websites
- Created responsive UI components with Node and React
- Connected JSON-formatted server data to web-application UI using JavaScript and React
- Fabricated designs from graphics to UX
- Conducted user integration testing with Cypress

**KOVid Analytics | Princeton, NJ**

## Cyber-analytics Intern

*June – August 2017*

- Manipulated data using Jupyter Notebook in order to detect suspicious activity on NEICE servers
- Constructed several visualizations of the data to monitor server activity by human nuance
- Gained fundamental knowledge about and worked with programs using Python SVM

**WORK EXPERIENCE**

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**Stevens Institute of Technology | Hoboken, NJ**

## Introduction to Computer Science Course Assistant

*August – December 2021*

- Tutored students in understanding Python and in course topics such as recursion, binary operations, and memoization
- Assessed and students with exams and assignments written by the professor

## Systems Programming Course Assistant

*January – May 2021*

- Tutored students in understanding Bash and C and in course topics such as Linux CLI, system calls, and client/server ops with sockets
- Assessed and students with exams and assignments written by the professor and self-designed lab assignments

**Varsity Tutors | NJ**

## Tutor

*June – August 2019*

- Privately tutored high school and college students on computer science, math, and SAT topics
- Used company material to enhance learning experience

**International Ivy | Short Hills, NJ**

## Instructor

*June – August 2018*

- Taught the Cryptography course to elementary and middle school children which consisted of a curriculum in which the students learned how to encrypt, decrypt, and break basic ciphers (including the Caesar, Affine, and Vigenère ciphers) using Python
- Customized existing lesson plans to teach children more effectively

**Mathnasium | Parsippany, NJ**

## Instructor

*October 2017 – May 2018*

- Taught and helped children in grades K-12 with math in topics ranging from basic arithmetic to introductory calculus
- Assembled post-unit assessments for students

**Boy Scouts of America | Cedar Knolls, NJ**

## Counselor

*June – August 2015/2016*

- Taught and helped children in grades K-12 with math in topics ranging from basic arithmetic to introductory calculus
- Mentored summer campers in grades K-6 on STEM subjects through a combination of classroom instruction and fun, hands-on experiments