**Declan R. Brady**

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**Summary**

A hard-working, collaborative individual, always striving for excellence and seeking to be a constant learner. Looking for a job where curiosity is commonplace and iteration is constant. Interested in frontend, backend, and full stack engineering.

**Education**

**University of Virginia,** Charlottesville, VA, *Cumulative GPA: 3.915* March 2022 – May 2023 (Expected Graduation)

B.S. Computer Science, Minor in Technology Entrepreneurship *-* School of Engineering and Applied Sciences

**Skills and Relevant Coursework**

* Proficient in: *Python, Java, React, Typescript, Django, Flask, HTML, CSS, C++, SQL, Assembly, GraphQL*
* Relevant Courses: Data and Program Representation, Advanced Software Development, Algorithms, Computer Architecture, Operating Systems, Database Systems, Cloud Computing, Machine Learning

**Related Work / Research Experience**

**Boomerang | Miami, FL |** *Software Engineer* March 2022 – August 2022

* Worked as the lead frontend engineer and coordinated with several part-time contractors.
* Built Boomerang’s frontend functionality including customer claim creation, partner lost item reporting, item matching, item return, partner metrics, inventory management, and claim tracking.
* Planned and executed creation of partner overview page to clearly display key statistics, match statistics, and returned items in a detailed reporting structure.
* Implemented consistent frontend QA testing, scheduling, and documentation to maintain sprint velocity.
* Created and led weekly backend to frontend interfacing meetings to help engineers gain a deeper understanding of the product and to prevent miscommunications while scaling a product.
* Interviewed prospective engineers and gave feedback to the executive team on hiring recommendations.
* Reduced query times by 300% through the use of React context and efficient fetch functions.
* Was relied upon to review all frontend pull requests and respond to any client-reported bugs or code failures.

**Tatari Inc. | San Francisco, CA |** *Software Engineering Consultant* February 2021 – January 2022

* Worked on a variety of teams including data engineering, data measurement, frontend development, and devops.
* Created internal metrics dashboard to report key performance areas such as revenue, spending, ticket close rates, query times, and error rates, culminating with an automated daily email for management to monitor metrics.
* Used React, Typescript, and GraphQL to create a customizable table for clients to query performance metrics on the core streaming report, one of the most visited pages in the client-facing reporting dashboard.
* Presented company-wide tutorials to educate and train staff on how to utilize tools for frontend projects, AWS report generation, and inner workings of the internal metrics dashboard.
* Designed and delivered how-to presentations for several engineering teams to effectively identify, debug, and fix issues at the core of backend report generation.

**Predictive Modelling of COVID-19 | Charlottesville, VA |** *Independent Researcher* March 2020 – April 2021

* Worked with Professor Gianluca Guadagni of the University of Virginia’s Applied Mathematics Department to find correlations of the COVID-19 spread and cure rates relating to different demographics and behaviors.
* Evaluated the transmission of COVID-19 in the United States using agent-based modeling and multi-variable analysis including: population density, state-level restrictions, age demographics, and individual-level behaviors.
* Utilize NetLogo to write code that accurately portrays the group dynamics of varying population densities, integrating the concepts of random-walk and habitual behavior to track the spread of COVID-19.

**JW Player | New York, NY |** *Computer Programming Intern* Summer 2018

* Worked on the Client Facing Engineering Team and Web Design Team.
* Member of three-person team responsible for supporting top clients to improve in-site video player functionality.
* Eliminated excess code in the JW Player website to increase speed and performance by 5%.
* Increased website loading speed by 10% through developing software to create sprite sheets.

**Leadership Experience**

**[Anything at UVA?]**

**Santa Hat Society Charity Organization| Dansville, NY |** *Executive Elf and Coordinator* October 2015 – Present

**National Youth Leadership Training | Rockaway, NJ** January 2015 – June 2017

**Eagle Scout | Summit, NJ |** *Troop 67*  October 2016