Ava J. Williams

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WORK EXPERIENCE

Optum Digital (Formerly Rally Health)   **June 2022 – Present**
Full Stack Software Engineer 2   *Washington, DC*
- Implemented and maintained cost calculating applications so that patients can find affordable, local care.
- Served in the Dev on Call rotation, managing production releases, and mitigating outages or complications.
- Optimized software efficiency, addressed roadblocks, and debugged errors by leveraging in-depth knowledge of the codebase.
- Saved Optum $400 Million by efficiently meeting federal compliance requirements and implementing the vision estimate experience for users, enhancing the member experience with estimates for lenses and contacts.
- Leveraged a Redis Cache in order to reduce frequent calls, improving runtime and efficiency.
- Automated testing to validate accuracy and stability of web applications using WebdriverIO.

Rally Health   **June 2020 – June 2022**
Full Stack Software Engineer   *Washington, DC*
- Adapted Angular into modern React Native for a streamlined UI as a member of the UI-Modernization Team.
- Constructed a DAO database wrapper for cost retrieval and subsequent backend price calculation service.
- Created a Datadog dashboard to monitor performance of real-time metrics for cost applications.
- Spearheaded an informational session of Banzai, an internal schema generation tool Rally utilized daily.

Rally Health   **May 2019 – Aug. 2019**
Full Stack Software Engineering Intern   *Washington, DC*
- Developed frontend AngularJS and backend Scala for a variety of projects regarding wearable devices.
- Implemented mapping, evolutions, and tables for tracking instances.
- Employed internal and external counterparts for API, client and controller level of methods.
- Updated UI items to be ARIA and TAB keyboard accessible.

Rally Health   **May 2018 – Aug. 2018**
Full Stack Software Engineering Intern   *Washington, DC*
- Assisted with both the frontend React and backend Scala development of client websites.
- Updated website UI, verbiage, and guided search implementation.
- Collaborated with interns to construct an interface for interpreting repository's purpose, ownership, and size.
- Streamlined, implemented, and updated automated/unit testing.

Forward Advantage Inc.   **June 2014 – Aug. 2017**
Software Engineering Intern   *Braintree, MA*
- Developed configuration tools as well as a data transformation engine to convert data from one CSV format to another utilizing C#.
- Assisted team members with conversions of document management systems as contracted by hospitals.
- Monitored data extraction from hospital computers and conversion processes.

EDUCATION & LEADERSHIP

University of Maryland, College Park   **May 2020**
Bachelor of Science, Computer Science
- **Technology Entrepreneurship Minor:** Focus of study on technological emphasis within growing companies.
- **Kappa Theta Pi:** Philanthropy Team; Member of coed Professional Academic Technology Fraternity.
- **Open Sourcery:** A software engineering club encouraging project collaboration, workshops, and innovation.

SKILLS

- **Technical**: Java, Scala, Python, JavaScript, Angular, React, GraphQL, PostgreSQL, and REST.
- **Tools**: Git, Datadog, Splunk, Docker, GitHub Copilot, ChatGBT, and Microsoft Teams.