

ALESSA SOMER

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EDUCATION

Williams, MA	<u>Williams College</u>	Fall 2021 – Spring 2025
<ul style="list-style-type: none">• B.A: Computer Science and Statistics, GPA: 3.73• Teaching Assistant for introductory and upper-level CS courses over five semesters• Activities include Williams Investment Group, UniCS Board Member (Underrepresented Identities in Computer Science), WSO (student-run website for Williams College)		

EMPLOYMENT

Software Engineer, Intern	<u>Google</u>	Summer 2024
RWJ Maps Team <ul style="list-style-type: none">• Enriched the restaurant search experience on Tactile (Google Maps Web) by implementing a new tab on restaurant placesheets using Typescript and Java• Created a design doc for the feature where I designed the architecture of the tab, weighed decision decisions, and iterated with feedback from the entire team• Brought valuable data into Web Maps by locating the correct proto for the desired data, requesting the data, piping it through the client, and rendering the content in a new tab• Wrote and executed Unit tests and UX tests for all features		
Software Engineer, Intern	<u>Google</u>	Summer 2023
Ads Team <ul style="list-style-type: none">• Developed the front end of new filter chips on the Advertiser Platform's recommendation page using Dart, Java, HTML, and CSS which has since rolled into production for millions of users.• Designed and implemented a close feature for dialog boxes for the Ads Optimization Team• Fixed ten bugs in the Ads API using Java		
Break Through Tech AI @ MIT Schwartzman College of Computing		May 2024-Present
<ul style="list-style-type: none">• Selected through a competitive application process to participate in a year-long program that offers industry-relevant training in data analysis and machine learning model development• Implement and optimize AI models using Python, TensorFlow, and PyTorch.• Participate in weekly labs and monthly maker fairs to implement ML solutions for Industry partners		
STEP (Engineering) Intern	<u>Google</u>	Summer 2022
Android Automotive Team <ul style="list-style-type: none">• Created a UI for the Ultrawideband team to visualize the location technology of an innovative Bluetooth tool using Android Studio, Blaze, Java, and XML• Completed the development process, including writing design docs, implementing, creating espresso tests, and rolling out UI• Attended several Android Auto conferences and presented my UI to multiple teams		
Software Engineer	<u>CACI International Inc</u>	Summer 2021
Computer and Information Technology Company <ul style="list-style-type: none">• Created a Javascript Web App that validates different data fields from a circuit board to be used by electrical engineers within the company• Worked with Vue.js, Vuelidate, Node.js, and Gitlab• Created 10+ custom validators in Javascript		
Programming Consultant	<u>Plexus Notes</u>	November 2021 – February 2022
Plexus is a smart note-taking startup founded by a Williams College alumnus <ul style="list-style-type: none">• Created Chrome extension to improve the usability of Plexus• Consulted on the rollout of Plexus to the Williams College community		

LANGUAGES AND TECHNOLOGIES

• Java, Javascript/Typescript, Python, Dart, Soy, HTML + CSS, C, R, Stata, SQL, Git, AWS, Jupyter Notebook, TensorFlow, Pytorch, SkLearn, Pandas, NoSQL DataBase