William Jacob Chambers

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EDUCATION

- **Georgia Institute of Technology**   **August 2016 – Present**
  - B.S. in Computer Science, 3.77 G.P.A., Concentrations in Information Internetworks and Intelligence, Graduated in May 2021
  - M.S. in Computer Science, 4.0 G.P.A., Concentration in Computing Systems, Expected Graduation in 2024
  - *Specialized Courses include:* Data Structures & Algorithms, Machine Learning, Systems & Networks, Intro. Information Security, Algorithm Design & Analysis, Networking, Game AI

WORK EXPERIENCE

- **Research Scientist Affiliate – Georgia Tech Research Institute   Sep. 2022 – Present**
  - Build customer facing Android front-end systems as well as server software for Delta client, powering next generation in-flight entertainment
  - Develop automated web scrapers and front-end interfaces to simplify data retrieval processes for Department of Defense client
- **Software Development Engineer II – CodeMettle, LLC   May 2021 – Sep. 2022**
  - Develop, modify, and debug large scale back-end data systems in Java and Python serving network operations for the U.S. Military and other telecommunications clients
  - Build front-end interfaces and components to ease the process of accessing and managing large networks and satellite systems
- **Head Teaching Assistant – CS 1331 at Georgia Tech   August 2018 – May 2021**
  - Teach ninety minute recitations and hold office hours, reviewing course concepts and challenging students to expand their fundamental computer science skills
  - Serve as Head TA as well as Section Materials Lead, overseeing a team of more than twenty undergraduate teaching assistants in creating assignments and exams
- **Computer Science Intern – Robins Air Logistics Complex   June 2020 – July 2020**
  - Enhance existing web applications using ASP.NET Core, Telerik UI, and C#, providing additional functionality to internal Air Force workflow tools
  - Work with a team of interns to divide tasks and accomplish product backlog items using the Agile method
- **Security Services Intern – NASA's Langley Research Center   June 2018 – Aug. 2018**
  - Use Langley's internal web service OnePlace to build an online list of individuals barred from entering the center to enhance security
  - Develop Python applications using TK and PDF processing libraries that assist in the process of managing the classification of formerly classified documents

SKILLS

- *Programming Languages*: Python, Java, C, C#, JavaScript, R, Kotlin, HTML/CSS
- *Software Frameworks:* JUnit, XUnit, Android Studio/SDK, React, React Native, Tkinter, ASP.NET Core, Telerik UI, Numpy, WordPress
- *Software Tools:* Unix-like Operating Systems, Command Line Interfaces, Git{,Hub,Lab}

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