

Michael Chang

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EDUCATION

B.S. Computer Science, University of Virginia | May 2021

CS GPA: 3.913 | **GPA: 3.729** | Engineering School | Dean's List

Relevant Courses: Algorithms, Advanced Software Development Methods, Program & Data Representation.

Thomas Jefferson High School for Science and Technology | September 2013 - June 2017

GPA: 4.23 | Mentorship Program

EXPERIENCE

Northrop Grumman, TS/SCI Clearance with CI Polygraph

Software Developer Intern,

2019 Summer

- Developed the front end of a web application using React JS and also worked as a mobile application developer for an Android application.

Plus3 IT

Cloud Development Intern,

2018 Winter

- Developed a full stack cloud application using Angular 7 for the frontend and Spring Framework for the backend to handle RESTful API calls. The web application was hosted through Azure using App Services and utilized both Azure Blob Storage and Azure SQL Servers.

National Geospatial-Intelligence Agency (NGA)

Data Scientist Intern in the Source division,

2018 Summer

- Implemented Python scripts for web scraping and data visualization for geospatial data. Worked primarily with the Panda library for parsing through the data, BeautifulSoup for web scraping, and Matplotlib and Seaborn for data visualization.

Software Development Intern in the CIO-T division,

2017 Summer

- Utilized Python for web scraping capabilities on the articles found on the Pathfinder website.
- Was a member of a webpage development team, working primarily to streamline entering data.

Software Development Intern in the Pathfinder division,

2016 Summer

- Mobile Application Developer in the Pathfinder division, developed and deployed the Tearline Application.

UVA Facilities Management

Student Intern in Data Visualization,

2018 Spring

- Used Tableau for to create various dashboards using facility and corporate data.

Pension Benefit Guaranteed Corporation (PBGC)

Intern in Office of Information Technology (OIT),

2014 Summer

- Assisted with the creation and organization of spreadsheets.

TECHNICAL SKILLS

- Java, C++, Python, HTML, CSS, JavaScript, TypeScript
- Webpage Development using React JS, Angular, and Spring Frameworks
- Android Mobile Application Development
- Cloud Development with Microsoft Azure

PROJECTS

Tearline Mobile Application,

July 2016 - August 2017

Link: [Tearline - Google Play](#) | Publications: [Wired](#), [Mashable](#), [NGA Publication](#)

I created the Android Tearline Mobile Application for the National Geospatial-Intelligence Agency to promote the distribution of mobile, unclassified intelligence. The team that I was assigned to, called Pathfinder, had the goal of implementing more open source intelligence for analysis into the agency and worked exclusively with unclassified intelligence.