

Nathan Tablang

<http://www.github.com/NTablang> | www.linkedin.com/in/nathan-tablang-297b861b1/
nanthatablang@yahoo.com | (301)377-3076

Projects

Skills: Java, Javascript, HTML, CSS, the Maven Build System, React.js, Responsive Design, Next.js, Tailwind CSS, FireBase Auth

CMSCDOCS

Made with Java, JavaFX, Scene Builder, Shell, The Maven Build System, and Apache POI+POI-OOXML APIs

- Built a friendly UI through JavaFX17 and Scene Builder which aimed to simplify a documentation process seen with Montgomery College's required documentation standards.
- Utilized JavaFX17 to get input from the user that is necessary to use Apache's POI+POI-OOXML APIs for creating and writing word documents.
- Through Shell scripting, Test-Driven Development (TDD), Git version control, and the Maven Build System, the app was able to be packaged and deployed to MAC users natively without other installations of local Java environment variables.
- Currently in talks with a faculty member to be endorsed by select professors for their introductory classes.

STUDENT LOAN IN A NUTSHELL: A DATA VISUALIZER PROJECT

Made with HTML, CSS, JavaScript, D3.js, and the New York Times API. Deployed with GitHub Pages.

- Integrated the New York Times API to show the connections and prevailing themes between the dataset – the dataset used was the subject matter of the egregiousness of the student loan industry.
- Employed d3.js to create a node-edge graph with an interactive and sleek layout that is coupled with physical phenomena of gravity, charges, and strengths.
- Was able to be deployed over the web with the MIT license and GitHub pages. See live at: <https://ntablang.github.io/DataVisualizer/>

Leadership

NATIONAL HONOR SOCIETY

President, 2019 – 2020 | Vice President 2018-2019

- Created a network of like-minded and academically successful students through active recruitment and analysis of their strengths and weaknesses especially helpful for tailoring them to students who need academic help.
- Headed weekly tutoring services especially to ESOL students to help assist with challenging academic work.
- Initiated events such as Peace Vigils and the honoring of student excellence to celebrate student activism.

STUDENT GOVERNMENT ASSOCIATION

Executive Secretary 2018 -2020

- Initiated events which highlighted student adversary and encouraged the mitigation of student apathy within school affairs; proposed a school-wide legislation known as "Promoting Student Engagement" which aimed to imitate the bicameral legislation of the US Gov't by establishing representatives for underrepresented student bodies.
- Handled various administrative duties which brought forth the creation of newly mandated exclusive privileges to my fellow peers.

MATH HONOR SOCIETY (MU ALPHA THETA)

Vice President, 2017-2018

- Initiated events which helped bridge the gap of mathematical knowledge through tutoring services and the awareness of various school tests through events such as PARCC night and Pi Day. Also gave back to the community through Martha's Kitchen.
- Proposed a club-wide legislation known as "Math-Sci-Ya" which aimed to increase STEM appreciation by establishing a competition which uses the principles learned in STEM classes. Works with middle or elementary school setting.

Education

UNIVERSITY OF MARYLAND, COLLEGE PARK

December 2021 – Present | Majoring in Computer Science with Minor in Mathematics

- Member of OSTEM, VR/XR club, and Association for Computing Machinery UMD chapter.

MONTGOMERY COLLEGE

August 2020 – December 2021 | Associate's Degree in Computer Science

- Dean's List
- Member of Raptors Who Code, NASAx Minds, and Association for Computing Machinery Montgomery College chapter.