Nadya Kadayifci

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EDUCATION

Stony Brook University, Stony Brook, NY *September 2014 – December 2018*
Bachelor of Science in Computer Science
Specialization in Human-Computer Interaction

SKILLS

Languages: Java, Python, JavaScript/jQuery, HTML/CSS, C, C#, MIPS Assembly
Technologies: Git, command-line/terminal, MySQL, Ajax, D3.js, Eclipse, NetBeans, Dreamweaver
Fluent in: Object-oriented Programming (OOP), Relational Database Design

EXPERIENCE

Front End Intern, **Comodo Security Solutions, Clifton, NJ** *June 2018 – August 2018*

- Created functional front-end wireframes and design assets using Adobe Photoshop and Illustrator to redesign sections of company website
- Prepared design hypotheses for A/B testing to increase conversion rates
- Gathered research on MECLABS conversion rates, micro-interactions, and design styles such as flat and material

Software Development Intern , **Syncsort, Pearl River, NY** *June 2017 – July 2017*

- Implemented a full-stack tool for developers to compare, search, and analyze test results of two product builds using Spring MVC, Java, HTML/Bootstrap, and MySQL database
- Extended Python script to verify and update Jira tickets against Git commits using the Jira Python API, speeding up the validation done by developers
- Submitted code through Git for deployment and code review

PROJECTS

Automated U.S. Districting

- Generates an automated districting of the U.S. using real data with a goal to reduce gerrymandering using compactness and population measure algorithms
- Displays visualized results on a GUI using Google Maps API with real precinct data
- Uses Java for back-end, HTML/CSS, JavaScript for front-end, jQuery and Ajax for client-server interaction

Travel Agency Website

- Allows users to search and book flights, cruises, hotels, or car rentals based on different user criteria
- Utilizes a MySQL database designed from scratch and Python Flask framework for back-end

Dynamic Memory Allocator

- Dynamically allocates virtual memory blocks in C using a segregated free list with a buddy system and immediate coalescing for freeing memory
- Passes custom unit tests written using Criterion for C

UML Class Designer

- Allows users to design UML class diagrams, save/load, and export diagrams to skeleton code
- Utilizes Java for backend, JavaFX for the GUI, and XML for saving and reloading data

INVOLVEMENT

Best UI/UX, **Hack Health** *March 2019*

- Won 1st place for the Best UI/UX category for a hackathon project
- Created a web application that allows users to search real vaccine data for travel using the Google Maps API

Undergraduate Teaching Assistant, **Stony Brook University, Stony Brook, NY** *September 2016 – December 2016*

- Instructed two weekly labs of 30 students for the Introduction to Computer Science course
- Assisted students with logic and syntax for Python programming assignments