

# Nadya Kadayifci

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## EDUCATION

**Stony Brook University, Stony Brook, NY**  
Bachelor of Science in Computer Science  
Specialization in Human-Computer Interaction

*September 2014 – December 2018*

## SKILLS

**Programming Languages:** Java, Python, HTML/CSS, JavaScript, C, MIPS Assembly

**Tools:** Git, Command-line, MySQL, jQuery, XML/JSON, Ajax, D3.js, JavaFX, Eclipse, NetBeans, IntelliJ

**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

**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
- Sped up validation done by developers by extending Python script to verify and update Jira tickets against Git commits using the Jira Python API
- 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 based on user defined metrics and algorithms
- Displays visualized results on a GUI using Google Maps API with GeoJSON 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 back-end, JavaFX for the GUI, and XML for parsing data

## INVOLVEMENT

**Best UI/UX, Hack Health**

*March 2019*

- Won 1<sup>st</sup> 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 Google Maps API

**Undergraduate Teaching Assistant, Stony Brook University**

*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