

Xavier Chen

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EDUCATION

Binghamton University—Thomas J. Watson College of Engineering and Applied Science

Vestal, NY

Bachelor of Science in Computer Science

August 2019—May 2022

Cumulative GPA: 3.51

Relevant Coursework: Data Structures & Algorithms, Design & Analysis of Algorithms, Game Dev For Mobile Platforms, Programming for the Web, Operating Systems, Computer Architecture, Automata Theory & Formal Language, Programming with Objects & Data Structures, Discrete Mathematics, Linear Algebra

Rutgers University — Rutgers Business School Honors College

New Brunswick, NJ

Completed 33 Credits towards *Bachelor of Science* in Business Analytics

September 2018—June 2019

Cumulative GPA: 3.75

EXPERIENCE

Software Engineer Intern

Remote

The Nielsen Company

June 2021—August 2021

- Migrated three Kubernetes deployments of big data platform tools to Helm chart deployments to provide developers a standardized and streamlined way to deploy and delete instances of services
- Developed two API clients for existing big data platform tools utilizing Python that allow data scientists to access internal services through code rather than the web
- Formulated unit tests for two API clients by mocking API calls through PyTest and executing tests by setting up GitLab CI/CD pipelines

Teaching Assistant

New York, NY

Network for Teaching Entrepreneurship

June 2017—September 2017

- Guided 30+ students in building their startup company's ideas by teaching students how to utilize HTML, CSS, JavaScript to create a mobile application
- Interacted closely with 5 students by giving feedback on their startup's pitch deck and business plan to present in a competition in front of tech professionals hosted at AppNexus

Lead Software Engineer

New York, NY

Network for Teaching Entrepreneurship

June 2015—September 2015

- Spearheaded the technology side of a startup team of 6 students developing a mobile application using HTML, CSS, JavaScript with Facebook Parse's database
- Employed user interface techniques to provide a smooth experience for users through mentorship of AppNexus employees
- Collaborated alongside five teammates by brainstorming ideas of increasing revenue 38% per month through native advertisements and building sales projections

SKILLS

Languages: Java, C/C++, Dart, JavaScript, Python, x86 Assembly, HTML, CSS, SQL

Software & Frameworks: Flask, Flutter, Kubernetes, Jupyter Notebook, Git, Bootstrap, Eclipse

PROJECTS

Hunt And Run | Flutter & Dart

- Created an Android game where users catch their target by tracking their location through Google Maps API
- Utilized Google's Firebase to authenticate users and to store relevant information such as user and game statistics
- Developed a chatting feature with multiple chat rooms which contain messages that get updated real time

Memory Allocator | C

- Recreated malloc() from the stdlib.h library with either best-fit or first-fit policy via free lists
- Recreated free() from the stdlib.h library by traversing free lists and coalescing adjacent free memory blocks
- Used previously implemented malloc() and free() to re-create realloc()

Typewriter | HTML, CSS, JavaScript, Python, Flask, SQL

- Developed a typing game by tracking user's typing speed and placing scores on a leaderboard
- Generated typing prompt through the Forismatic REST API

AWARDS

HackRU: Best Thinking Outside the Box Award

New Brunswick, NJ

Developer

October 2019

- Built a texting application using Node.JS which measured moods of Hackathon participants
- Employed Twilio SMS API to receive and process text messages from users
- Utilized Google Cloud Natural Language API to assign sentiment values to text messages from users