

Nikolay Valev

nikolaivalev@gmail.com | 201-887-3339 | www.linkedin.com/in/nikolayvalev | www.github.com/NikolayValev

EDUCATION & COURSEWORK

Ramapo College Of New Jersey | June 2022 | *B.S. in Computer Science and minor in Mathematics* | *Academic Dean's List, Presidential Scholar* | *Cum Laude* | GPA: 3.5

Relevant Coursework: Analysis of Algorithms, Network programming, Unix, OOP, Organization of Programming Languages, Cyber Security, Web App Development, Computer Graphics, Machine Learning, and Cryptography

TECHNICAL SKILLS AND INTERESTS

Proficient with C / C++, HTML / CSS / JS / NodeJS

Comfortable with Unix, React, Angular, NextJS, Python, PHP, Java, Git, REST, XML, SQL, AWS, Cyber Security

PROFESSIONAL EXPERIENCE

Superfan

Brooklyn, New York

Web Developer Intern

May 2022 - Present

- Integration of over 50 user-facing elements developed by front-end developers with server-side logic.
- Create and debug on average 5 custom components per day, extending the elements and modules of core ReactJS.
- Partake in Agile software development meetings to ensure comprehensive testing and on-time feature delivery.
- Integrate Restful APIs and external web services ensuring 100% availability on Mobile and Desktop.

Ramapo College of NJ

Mahwah, New Jersey

Network Support Technician

September 2018- May 2022

- Devised and led the redevelopment of PHP scripts to manage 20K network devices using the Infoblox WAPI.
- Configured and installed over 100 wireless Access Points, switches, UPS, VLANs, DNS, IP Subnets, and DHCPs.
- Scheduled upgrades and maintained coverage for over 400 staff members and 4K students without interrupting business and academic workflow with a turnaround time of fewer than 30 minutes 100% of the time.

PROJECTS

- **Decimal assembler and interpreter** [C++/CMake/School Project]
 - Designed and implemented an assembler and interpreter for a middle-level language with 15 instructions.
- **Network chatroom** [C++/HTTP/Berkeley sockets/School Project]
 - Built a real-time chat with multithreading and end-to-end encryption, built for Unix systems with sockets.
 - Incorporated hash map and queue data structures to endure timestamps and sender integrity.
- **Stock and options trader** [Python/AlpacaAPI/Numpy/scikit-learn/Pandas/Personal Project]
 - Implemented and tested trading algorithms to learn more about over-optimization and risk management.
 - Conceptualized Beautiful Soup to scrape over 20 insider web pages.
- **Dominos Games with AI** [C++/Java/MVC/Event-Driven Programming/School Project]
 - Created implementations for Mexican Train dominos in C++ and Java with Android SDK.
 - Conceptualized an efficient AI using maps and two-dimensional arrays that exploit player mistakes.
- **Cross-platform file manager** [C++/NodeJs/React/SASS/SOA/gRPC/MongoDb/School Project]
 - Employed multithreaded microservice architecture to deliver unified storage across devices.
 - Leveraged the gRPC framework for Bi-directional streaming, code generation, and interoperability.
 - Incorporated FUSE to represent the remote resources in a readable manner similar to Google Drive.

LEADERSHIP EXPERIENCE

Dean's Advisory Board: Computer Science Representative

January 2020 - May 2021

- Addressed questions and concerns from fellow computer science majors in biweekly meetings with the dean.
- Guided the transition from in-person classes to virtual assisting over 50 students and 10 faculty members.