Christopher Yun

703-606-8406 | cyunsoftware@gmail.com | kamicyun.github.io

EDUCATION

University of Maryland, College Park   College Park, MD
Bachelor of Science in Computer Science   *2021 – 2025*

EXPERIENCE

Full Stack Software Developer   July 2023 – Present
Eastern Tech Corporation   *Ellicot City, MD*
- Single-handedly built a SaaS desktop application using ReactJS capable of streamlining business document management and improving the speed and quality of employee work.
- Constructed a highly scaleable microservice based backend used to manage licensing, data management, and business analytics.

Backend Software Engineering Intern   May 2022 – Aug. 2022
Brivo Inc.   *Bethesda, MD*
- Boosted a GraphQL system's performance by overhauling the architecture of an AWS cloud application while preserving legacy compatibility.
- Pioneered a streamlined testing methodology in TypeScript that accelerated quality assurance and simplified the addition of new tests.
- Devised strategies that reduced a NodeJS server's response time by reworking the cloud application's code structure.

Founder/Full Stack Software Developer   Aug. 2020 – Feb. 2021
Vesta Technologies LLC.   *Chantilly, VA*
- Led and managed a small team in developing a SaaS desktop application, streamlining e-commerce checkouts to secure highly coveted items.
- Reverse engineered numerous JavaScript web application firewalls to create proprietary solutions that effectively bypassed these security systems.
- Designed a robust backend system with Golang, SQL, Redis, various RESTful API frameworks, and AWS to handle user authentication, data collection, and other essential microservices.
- Enabled our community of 50 users to purchase an excess of 2,500 items, generating a cumulative profit of $150,000.

Software Engineering Intern   May 2019 – Aug. 2020
CACI Inc.   *Herndon, VA*
- Developed a desktop application to supervise space system hardware, leveraging Ruby and an established aerospace framework.
- Crafted a command-line tool using Python, guaranteeing optimal operation of space-bound systems via TCP and UDP connections.
- Cooperated with an engineering team to optimize prediction algorithms, enhancing satellite time synchronization.

PROJECTS

SpeakEZ Web Security | *Python, JavaScript, Golang, NodeJS, MySQL, Keras*   May 2022 – Present
- Designed a suite of complex fingerprinting techniques to identify automated web traffic with up to 99.1% accuracy.
- Engineered a neural network capable of quantifying the human-likeness of a user's mouse movements.

Bitcamp Hackaton Award-Winning Project | *Python, C++, OpenCV, PySerial*   Mar. 2022 – Mar.2022
- Worked with a team of engineers to create an award-winning Nerf turret capable of shooting airborne projectiles.
- Employed OpenCV to locate the projectiles' midair and developed several quadratic regression models to predict the projectiles' speed, acceleration, and trajectory.

TECHNICAL SKILLS

Languages: HTML/CSS, JavaScript, TypeScript, Golang, SQL, Java, Python, Ruby, Rust, OCaml, C++
Technologies/Frameworks/Libraries: React, Next.js, Express, Node.js, Redis, MongoDB, MySQL, Postgres, gRPC, OAuth, Serverless, Webpack, Web Sockets, GraphQL, REST API, Tailwind CSS, SCSS Bootstrap, Django, Flask, Gin Gonic, GoFiber, AWS (S3, EC2, ECS, RDS), GCP, CI/CD, Jenkins, NumPy, TensorFlow, Keras, OpenCV, FastAPI
Developer Tools: VS Code, Figma, Jira, Notion, Confluence, Git, Docker, Github, PyCharm, IntelliJ, Eclipse