Boray Tuna Gören

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EDUCATION

St. Bonaventure University, St. Bonaventure, NY **May 2026**
Bachelor of Science, Major in Computer Science, Minor in Cybersecurity
GPA: 3.86 / 4.0

RELEVANT EXPERIENCE

Duct Divers MI LLC – Web Developer & Systems Engineer Intern **June 2026 – Present**

- Architected and shipped a production Next.js/PostgreSQL platform (Supabase) unifying a public booking site, mobile sales-rep portal, and admin panel under one shared database, eliminating a double-booking bug from two disconnected legacy systems.
- Engineered a race-condition-safe booking flow using Postgres advisory locks, validated by a dedicated concurrency test.
- Implemented defense-in-depth security (server-verified sessions, Row Level Security, and Cloudflare Turnstile) to close a bot-driven rate-limit bypass, backed by a 401/403 security audit suite.
- Built a 339-test suite (Vitest + Playwright) covering booking logic, role-based access control, and WCAG 2.1 AA accessibility.

St. Bonaventure University – Tutor **September 2024 – May 2026**

- Tutored students one-on-one in Object-Oriented Programming, Algorithms & Data Structures, and computational thinking.

no-pact – Video Game Developer Intern **June – August 2024**

- Optimized performance using high-level Unity Editor tools, reducing load time by 20%.
- Collaborated with developers and designers on software architecture, code design, and level design for a mobile game.

PROJECTS

boraytuna.com – Cloud Migration & CI/CD **October 2026**
Next.js | TypeScript | AWS (S3, CloudFront, Route 53, IAM) | GitHub Actions

- Migrated my personal site (66 pages, 43 blog posts) from a website builder to a statically exported Next.js app on S3 + CloudFront, cutting hosting from $132/yr to $0/month while keeping every existing URL unchanged for SEO.
- Built a GitHub Actions pipeline that deploys on every push via OIDC federation and a least-privilege IAM role (no stored AWS keys), with automatic CloudFront cache invalidation.
- Secured a private S3 origin with Origin Access Control, TLS (ACM), and WAF; wrote a CloudFront Function for clean URLs and canonical redirects; ran a staged Route 53 DNS cutover with a pre-tested 5-minute rollback.

Street Memory and Visualization System **September 2025 – May 2026**
Capstone Research | HCI | Graph Theory

- Conducted HCI research and developed a graph theoretic framework for visualizing pedestrian exploration history, leveraging route-tracking concepts to encourage navigation diversity and long-term user engagement.

Typing Time Across Devices and Age Groups **September 2025 – December 2025**
JavaScript | Machine Learning

- Built a web-based experimental platform collecting keystroke timing data for laptop vs. smartphone typing, extracting features such as completion time, mean and p95 inter-key intervals, pauses, and backspaces.
- Conducted a two-factor (Age × Device) statistical analysis, identifying significant effects of age ($p=.0089$) and device ($p=.00089$), with a near-significant interaction ($p=.053$).
- Trained exploratory ML classifiers (Logistic Regression, SVM, Random Forest) on aggregated features, achieving up to 75% accuracy for device prediction and 71% accuracy for age-group prediction.

Attendance Verification System **November 2024 – May 2025**
Python | JavaScript | HTML | CSS | Flask

- Built a mobile web app and backend for real-time event attendance checks; led the team as rotating project manager.

HONORS & CAMPUS INVOLVEMENT

Honors

- Men's Swimming Grant-In-Aid Scholarship recipient | Dean's List Fall 2022 – Spring 2026

Video Game Design Club

- Founded and served as president of the college's first Video Game Design Club.
- Delivered presentations on game development fundamentals: game design, programming, and project planning.

TECHNICAL SKILLS

Programming Languages: Java, C#, Python, SQL, JavaScript, TypeScript, CSS, HTML
Software Engineering: Next.js, Tailwind CSS, RESTful API Design, PostgreSQL, Supabase, Authentication & RBAC, Automated Testing, Git, Database Design, Responsive Design
Cloud & DevOps: AWS (S3, CloudFront, Route 53, IAM, ACM, WAF), GitHub Actions CI/CD, OIDC, DNS
Game Development: Unity, Gameplay Programming, AI Development, Level Design, and Scripting