# ANDREI BENEA

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

## EDUCATION

**Ivy Tech Community College** | Associate of Science *Expected: December 2025*
Major: Software Development

**"George Cosbuc" National College** | High School *June 2008*
Specialization: Philology

## CERTIFICATES

**Technical Certificate in Indiana College Core** | Ivy Tech Community College *Aug 2025*
‣ Summa Cum Laude

**Certificate in Software Application Developer** | Ivy Tech Community College *May 2025*
‣ Summa Cum Laude

**Frontend Development** | "Kreativstorm", Berlin *Oct 2023*

**TOEFL iBT | English C1** *May 2023*

**QA Manual** | "Informal School of IT", Cluj-Napoca *Aug 2016*

**Deutsches Sprachdiplom | German C1** *May 2008*

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, HTML, CSS, SQL, Bash, GDScript

**Frameworks / Libraries:** Django, Django REST Framework, Flask, Tkinter/ttk, Godot, Nightwatch.js

**Tools & Technologies:** Postman, MySQL, SoapUI, Git, GitHub, PythonAnywhere, Jira, Confluence, JSON, XML, Markdown

**QA & Testing:** Test Planning, Automated UI Testing, Mobile Testing, Regression Testing, API Testing

**Project & Process:** Agile/Scrum, Requirements Management, Project Management, Test Management

## WORK EXPERIENCE

**Requirements Manager** | P4B Group *Sep 2016 - Apr 2023*
‣ Managed multiple software products throughout the full development and release lifecycle, coordinating cross-functional teams and ensuring timely, high-quality deliverables
‣ Designed, implemented, and executed automated test suites using Nightwatch.js, verifying complex insurance and healthcare workflows from UI to backend systems
‣ Performed detailed SQL data validation, Postman API testing, and XML-based integration checks to ensure system reliability, performance, and data consistency
‣ Supported enterprise-scale digital products, including health-insurance platforms and medical transport solutions, managing requirements and QA processes within an Agile/Scrum environment focused on automation and continuous improvement

**Technical Support Specialist** | Siemens Romania *Mar 2015 - Sep 2016*
‣ Provided 2nd-level technical support for Siemens PLM (Teamcenter/NX)
‣ Assisted engineering teams with client configuration, user management, and faulty product workflows

**Data Analyst** | EXL Services Romania *Dec 2013 - Mar 2015*
‣ Performed data analysis and processing tasks to convert physical information into digital format

**Process Assistant** | Office Depot Romania *Apr 2013 - Jul 2013*
‣ Contacted individuals who were behind on their bill payments to facilitate timely resolution

## LEADERSHIP & AFFILIATIONS

**President & Member** | Ivy Tech Bloomington IT Club                          *Jan 2024 - present*
Ivy Tech Community College, Bloomington, Indiana
- ‣ Elected President in September 2025 after serving as a club member since January 2024
- ‣ Engaged in workshops and peer activities focused on professional development and emerging IT trends

**Vice President** | Student Government Association (SGA)                      Aug *2024 - May 2025*
Ivy Tech Community College, Bloomington, Indiana
- ‣ Represented the student body, organized events, and collaborated with faculty and administration to improve campus life

**Member** | Phi Theta Kappa (PTK) Honor Society                              *Sep 2024 - present*
*"Alpha Rho Sigma"* Branch, Bloomington, Indiana
- ‣ Active participant in chapter events and initiatives promoting scholarship, leadership, and service
- ‣ Recipient of the Distinguished Member Award at PTK Catalyst 2025

## PROJECTS

**Kreativstorm** | Responsive Marketing Site (HTML, CSS)
- ‣ Responsive multi-page marketing site built with semantic HTML and custom CSS. It includes a fixed header with a CSS-based hamburger menu, flexbox layouts with media queries for all screen sizes, and themed sections like Services, Industries, and Contact. Interactive pop-ups use HTML anchors and the CSS :target selector for lightweight, JavaScript-free functionality.

**Calculator** | Web Application (HTML, CSS, JS)
- ‣ Browser-based calculator built with HTML, CSS, and vanilla JavaScript. It supports chained operations, decimals, percent, sign inversion, and backspace, and prevents invalid actions like dividing by zero. The app maintains internal state and updates the display in real time from button clicks or full keyboard input, including operator highlighting and visual feedback.

**Shopping List Manager** | Desktop Application (Python - Tkinter)
- ‣ Desktop shopping list manager built in Python with Tkinter/ttk. Supports multiple named lists, active list selection, and per-item quantities, with options to add, mark as done, or remove items. Features a multi-page GUI (Home / Active List / All Lists) using a controller-based navigation system, scrollable frames for dynamic updates, and in-memory data management for a smooth, responsive user experience.

**Digital Recipe Book** | Full-Stack Web Application (Python - Django, HTML, CSS, JS)
- ‣ Full-stack recipe management app built with Django and Django REST Framework. Includes user authentication, CRUD functionality, image uploads, and RESTful API integration. Features a responsive multi-page interface with reusable serializers and clean MVC architecture for seamless front- and back-end interaction.

**HeliStrike** | 2D Action Game (Godot, GDScript)
- ‣ Arcade-style helicopter shooter built in Godot using GDScript. Features infinite vertical scrolling, dynamic enemy and power-up spawning, health and score tracking, and layered parallax backgrounds. Implements modular scripts with signals, timers, and scene instancing for smooth gameplay, and a responsive UI with lives, score, and game-over states.

**Static Site Generator** | CLI Tool (Python, Markdown → HTML Engine)
- ‣ Lightweight static site generator built in Python that converts Markdown files into fully structured HTML pages. Implements a custom markdown parser with support for bold, italic, code spans, links, images, headings, lists, and block quotes, using a TextNode/HTMLNode AST system for clean HTML construction. Includes block-type detection, inline delimiter parsing with error validation, and automatic newline collapsing for paragraphs. Recursively walks the content directory, injects output into a reusable template, copies static assets, and builds a deployable site.