Anthony Medugno

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Diligent, adaptable, and design-oriented web developer with over two years of experience leading teams to create full-stack solutions for firms such as Analog Devices and Fidelity Investments. Looking for opportunities to collaborate with other developers and build products using the latest technologies available today.

Education

Bentley University, Waltham, MA
Bachelor of Science in Computer Information Systems, Minor in Finance, December 2021
GPA: 3.9; Major GPA: 4.0
Honors: Summa Cum Laude; President's List; Beta Gamma Sigma (International Business Honors Society).

Skills

Front-End	HTML5, CSS3 *(SASS, Tailwind, Bootstrap)*; JavaScript, TypeScript *(React.js, Next.js, jQuery, D3.js)*;
Back-End	Sanity CMS; Python *(pandas, Streamlit, PyDeck, matplotlib)*; Express.js; MySQL; PHP; Java.
Tools	JIRA, Bitbucket, GitHub.
Graphic Design	Adobe Illustrator CC, Adobe Photoshop CC.

Professional Experience

Analog Devices, Inc., Remote   Spring 2021
Student Consultant, via Bentley University
- Led a group of five student consultants to create a full-stack application to address a problem specified by our client.
  - o Created a home-lab development environment for Microsoft SharePoint using VMware vSphere.
  - o Developed a responsive and dynamic SharePoint website for the client using jQuery and SharePoint Designer.

Hump Day Golf League, Remote   Summer 2020
Freelance Consultant
- Built Wix **site** allowing each golfer to create an account and RSVP to play in the league during their available weeks.
  - o Implemented RSVP system to expedite the website manager's process of assigning golfers to tee times and teams.

Fidelity Investments, Smithfield, RI   Summers 2017 & 2018
Technical Intern
- Developed full-stack web application using a MySQL database, PHP, HTML5, CSS3, and the Handlebars.js library.
  - o Allowed Fidelity AMP project managers (PMs) to easily search for, view, and update their current projects' statuses.
  - o Allowed AMP program directors to view an executive summary of the health of all the projects in the program.
  - o Modernized the tech stack for an existing process, which resulted in a more efficient workflow for PMs.
- Built a front-end app to fetch existing client data from an internal API and allow it to be updated by support admins.
  - o Resulted in shorter call durations between Fidelity WPS representatives and clients.

Featured Projects

SnapFace	Full-stack social media web app with oAuth2.0 support, built with Next.js and Sanity Headless CMS.
Another Movie Db	Next.js app that fetches movie data from TMDb's public API. Uses SSR and CSR for certain pages.
The Pokédex	React.js app that displays Pokémon data with interactive components like cards and D3.js graphs.
eSports News API	REST API that scrapes popular eSports news websites for articles. Includes category filters.

Please see my personal **website** for blog posts containing in-depth explanations of the notable features I created for each project.

Awards & Certifications

freeCodeCamp.org   JavaScript Data Structures & Algorithms (May 2022), Data Visualization with D3.js (May 2022).

Coursework

Multi-Tiered App Development (with PHP and MySQL)   Fall 2021
- Developed a dynamic, database driven Web application to support a hypothetical firm's tech support system.
- Features allowed administrators to manage accounts, customers to open new incidents, and technicians to update incidents.

Intro to Programming (with Python)   Spring 2021
- Learned the fundamental constructs and key concepts that are common to all modern programming languages.
- Developed several standalone applications using efficient, clear, and well-structured code.
- Used Streamlit, pandas, and PyDeck to create multiple visualizations for a Craigslist used car dataset (see **here**).

Business Processing & Communications Infrastructure   Spring 2021
- Exposed to these technical tools: Debian Linux, PuTTY, Docker, and Microsoft Azure.
- Learned how businesses design, manage, and deploy software.
- Gained the technical knowledge necessary for designing and managing technology infrastructure networks and information systems for modern e-business solutions.

Business Systems Analysis & Modeling   Fall 2020
- Managed a team of six consultants and developed two sets of business artifacts for a hypothetical real estate firm.
- Documented the current state of the business' processes using UML models (activity and domain models).
- Specified the initial requirements of the new information system using agile documents (user stories, use case narratives, and wireframes).

Database Management Systems (with SQL)   Fall 2020
- Designed relational database management systems using Entity-Relationship Diagrams and Logical Data Models.
- Implemented a database, modified its content, and retrieved its data using a variety of queries.
- Created a database for managing a hypothetical pharmacy's organizational data, transactional data, and inventory data.

Programming Fundamentals (with Java)   Spring 2020
- Utilized the Java programming language to develop fundamental programming and problem-solving skills through a variety of assignments that explore the use of fundamental control and data structures.
- Emphasized the concepts of classes and objects, testing and debugging techniques, programming logic, and the importance of writing well-structured code.

Additional Skills

Hardware	Assembled Windows 10 desktops using PC components (CPUs, RAM, GPUs, SSDs, PSUs).
	Benchmarked CPUs and GPUs to test overclocking performance.
	Dual-booted operating systems like Windows and Linux.
Video Editing	Sony Vegas Pro 12, Adobe Premiere Pro CC, Adobe After Effects CC.