Micah Dittmar

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SUMMARY

Quick learner with strong agile programming skills, creative spirit and curious nature. Energetic team-player, innovative thinker and problem solver. Natural motivator, communicator and caring leader. Experienced in Front-End enterprise applications.

- UI/UX
- Front-End Design and Dev
- Agile/SCRUM
- Full Stack Web Dev
- Quick Learner
- GIS Dev and Scripting

EDUCATION

Pennsylvania State University
B.S. Information Science & Technology (IST) – May 2020
Design and Development track with Geography Minor

ATTRIBUTES

Agile Web Development

Multiple applications designed from scratch in Java using MVC and Agile development. Contributed to numerous software projects using industry-standard best practices for software documentation and configuration management. Skilled in: Web development, Application design & development, prototyping, and software troubleshooting. Wireframing (Figma, draw.io, Adobe XD), Database management (SQL, MongoDB, PHP, JDBC), Geographic Information Systems (GIS), mapping.
Coding Skills: Java, Python, JavaScript (Angular [TS], Node.js, Vue, Express), C, HTML, CSS.

Application Development and Design

In depth, hands-on development experience with the concepts, processes, tools, and materials used to envision and build software apps. Experience with algorithms, data structures, and object-oriented programming.
Skilled in: Agile Development, Social Media Analysis, API Implementation, JS Frameworks, RESTful Web Services, ClientServer Architecture, Development Life-Cycle, User Control, Accessibility, App Hierarchy, and App Consistency.

Quick Learner

Diligence and curiosity lead to fast acquisition of new skills.
Skilled in: WordPress, MS Visual Studio, NetBeans, GitHub, GitKraken, Adobe [XD, Spark, Premiere, DreamWeaver, Illustrator], Gephi, Unity, Docker, MS Office, Postman, MongoDB Compass, Trello, PC/Mac/Linux, FIGMA, ArcGIS.

GIS Development

Multiple projects designed from scratch using ArcGIS and ArcPy. Used ArcGIS to analyze and evaluate Geo-Databases on bases of Biogeography, Economic Geography, Societal resource management and Spatial structures. Skilled in: ArcGIS Map-Book, ArcPy, APIs, Geospatial conversions.

WORK EXPERIENCE

Software Engineer — Tata Consultancy Services, Atlanta, GA   **Feb 2021 - Present**

Developed screens and Angular components from UI wireframes, as a Front-End development specialist within a SCRUM team. Developed and designed UI components for client's critical airplane loading information system. Contributed to the development of a large-scale and intricate Airline Enterprise software project. Created monitoring dashboards for critical airline cloud systems and applications using Sumologic and Dynatrace log monitoring. Utilized Git, GitLab, Angular (typescript), Angular Material, NodeJS, FIGMA Wireframing, Karma, Jasmine, Cucumber, and Chrome Developer Tools.

Production & Development Intern — Omvisor, State College, PA   **May - Aug 2019**

Agile mobile app UI/UX development in a fast-paced, start-up environment with aggressive development deadlines for Heuristics, Thematic Study, User Stories, Wireframes, and Prototype. Developed Website components using JavaScript, HTML5, and CSS3 Bootstrap. Planned, filmed, edited, and produced 2 of Omvisor's informational videos.

DESIGN & DEVELOPMENT PROJECTS

Node.js Full Stack News Website — HotWire: Project for TCS Full Stack Training
Engineered this Website with an Admin news editing page that dynamically creates, updates, and deletes items from a MongoDB Database, Homepage with News cards and Carousel from the DB, Live Chat server using sockets, static About page, Full Validation Login/Register Page and a Contact Us Form Page. Used Angular for the Front-End Using TypeScript, HTML, and CSS. For the Back-End we used Node.js and MongoDB.

Website Redesign Usability Engineering — Aura Management Consultants: Project for IST 413 |
Redesigned an outdated managerial website following modern heuristics and rules for user-friendly interface design. Followed industry standard for the design process, including working with an actual firm to conduct a Usability Study, assessing competition, web functionalities, Work Affinity Diagrams, Work Flow Diagrams, Artifact Models, Task Structure and Sequence Models, User Personas, Storyboards, Wireframes and Prototypes using Adobe XD.

Portfolio Website — Personal Use
Developed a HTML, CSS, and JavaScript Web application that focuses on sleek design using Bootstrap. Implements carousels, dropdowns, navigation, contact forms, social routing, fixed background images, forms, and back to top button. Currently modernizing to the Angular framework for a more reusable approach and more efficient updating process.

Angular Food Web App — FoodOrb: Project for TCS Full Stack Training
Designed a website using Angular, creating a Homepage containing Food options from a JSON data file with a Search that filters foods and restaurants. Users register and login with a validating form, update their address, and place orders.

GIS Programming — US Covid19 Mapping: Final project for GEOG 485
Individually created an automatic map book that takes a CSV input file from a URL that is updated daily. I used ArcGIS, ArcPy, and Python to take this CSV data from a free government database and organize the info into an hot spot map book that updates every day contrasting day by day change in COVID19 case growth by county.

City Weather Finder — Weather Geolocation: Project for IST 411
Created a simple HTML/CSS website that used OpenWeather.com as an API to draw data for the city the user enters in the input field. Used another API for transportation information in searched cities. This logic was handled through JavaScript.

Student Grade Predicter — SGP Clairvoyance: Project for IST 311
Created Java student UI that enables entry of grades and prediction of future grades using past variables of grades, and course difficulty. Contains a validating login and register page, courses view, and prediction page.

Database Redesign — Flix2You: Project for IST 210
Remodeled movie database to improve cost efficiency and market competitiveness using SQL. Hands-on database reconstruction involving security, privacy, legal issues, readability, and conversion of raw data into structured and useful information. Gained experience in team & peer leadership and interpreting customer requirements.

Store Map App For Walmart — Walmap: UX/UI Project for IST 340
Designed extensive Adobe XD Wireframes for the problem big store customers face with finding their needs quickly. Evaluated Heuristics, Completed User Thematic Study, and Developed User Stories, Wireframes, and Prototype.

VOLUNTEER EXPERIENCE
Counselor & Life Coach — Young Life, State College, PA & Atlanta, GA
Sept 2016 – Aug 2020, Aug 2022 – June 2023
12+ hours/week volunteer leading high school students. Provides guidance and support through coaching, mentorship of small groups. Ran high school events, gave weekly Presentations, and worked with At-Risk youths. Dedicated to people.

Resident Adviser — Bethany Childrens' Home, Womelsdorf, PA
Aug 2020 – Dec 2020
Lived with, coached, and mentored At-Risk youth. Implemented Therapeutic Crisis Intervention to help prevent and stop verbal conflicts and physical altercations using appropriate and necessary TCI techniques according to each respective circumstance. Spent time building relationships with pre-teens and teens removed from normal family life.