Sydney Micklas
Software Developer

smicklas.github.io

micklas.sydney@gmail.com ✉
248-805-7403 📱
smicklas.github.io 🌐
linkedin.com/in/sydneymicklas in

EMPLOYMENT

Multimedia and Front-End Developer
Orbis Education

01/2020 - Present   *Carmel, IN*

Nation's leading manager of hybrid, accelerated degree programs specifically for fast-growing healthcare professions.

Achievements/Tasks
- Developed educational mobile AR application in Unity with C# to display and manipulate custom made 3D anatomical models, control animation, and access models with QR codes
- Lead on developing and researching ADA compliance for future web & VR/AR offerings
- Software lead for website design & front-end development of annual conference. Implemented with Ruby on Rails and designed with Adobe Xd
- Converting executive showcase of products from website to locally accessible application with Electron
- Lead designer for new simulation product offering with focus on accessibility and real-life accuracy, implemented with React and designed with Adobe Xd
- Designer for template style guide to improve product visual consistency & developer ease-of-use to be used by development team

Software Engineering Consultant
Avanade

08/2019 - 01/2020

Global professional services company providing IT consulting and services focused on the Microsoft platform.

Responsibilities & tasks
- Development of insurance quoting application for car insurance to replace legacy application
- Implemented using Bootstrap and Angular front end, ASP.NET Core & Entity Framework Core back end
- Development of solution architecture diagram
- Working aside UI/UX specialist to ensure style guidelines are withheld
- Project management through Azure DevOps

EDUCATION

Bachelor's of Science, Software Engineering
Michigan Technological University

09/2015 - 07/2019   *Houghton, MI*

SKILLS

React   Jquery   HTML/CSS   Javascript   UI/UX
Android   Adobe Xd   C/C++   Java   C#
Ruby on Rails   Agile/Scrum   Angular   Node.js
Unity

SOFTWARE PROJECTS

Soil information forum & resource list website
(01/2018 - 04/2019)
- Product developed to centralize information about soil health, soil professionals, and local vendors for the Oklahoma Conversation Commission
- Implemented using Ruby on Rails, Bootstrap, developed site UI/UX using Adobe Xd
- Hosted with cloud hosting service Heroku
- CI/CD implemented through regular deliverables and automated testing builds - Travis CI

Social Media Android App, "PupAlert" (2017)
- Worked with team of 3 students to develop Android native app & web application
- Collaborated with developers using Scrum and Agile development processes, served as Scrum master

ADDITIONAL PROJECTS

App controlled RGB wall art
Personal project to expand Android development knowledge. Designed and 3D printed frames for RGB light strips. Lights controlled through custom Android Java app via Bluetooth.

AuroraCast
Static web page to show current aurora borealis forecast based on user location data. Built using HTML, CSS, and Javascript.

VR Piano
Developed during Winter Wonderhack (MTU Hackathon) using Leap motion sensor and Unity 3D. Movement of hands over the sensor control hand models within software that enable users to interact with virtual keys.

Portfolio Site
Personal website re-design using Adobe Xd and Gatsby.js. Focus on ease of use, simplicity, and artistic flair.

INTERESTS

Front end development   UI/UX   Augmented reality
Virtual reality   User-driven development
Technical leadership