Colin Banigan
SOFTWARE ENGINEER

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(972)-890-7420

Developer and designer looking to create easy-to-use and effective software experiences.

EDUCATION

Texas A&M University - College Station, TX
Bachelors of Science in Computer Science | 2014 - 2018
Minors in Cyber Security and Art (Visualization)
Certificate in Engineering Business Management
Overall GPA: 3.57

EXPERIENCE

Capital One - Plano, TX
Software Engineering Intern | Summer 2017
Full-stack developer within the Home Loans Department. Fully integrated a core feature in the main Home Loans application. Project included creating a UI in Angular 4, writing an OL using Spring, and retrieving data from Cassandra DBs.

HCI@Viz - College Station, TX
Undergraduate Researcher | Summer 2016 – Spring 2018
Android developer and researcher within the HCI@Viz lab. Primary research focused on informal science education through Android Wear smart watches. Secondary research compared and contrasted movement within virtual reality.

PROJECTS

Distributed Twitter Service
Distributed Objects Programming | Spring 2017
Constructed a fault-tolerant gRPC twitter serivce in C++ utilizing 3 servers and 10 processes that handles server crashes, process crashes, and disruptions of service while hiding these errors from the user.

Ray Tracer
Computer Graphics | Fall 2016
Created a ray tracer using C++ for all core functionality, utilizing OpenGL for per-pixel drawing. Utilized recursive ray tracing to produce proper lighting through reflective objects and shadowing.

SKILLS

Languages
Java • Python • C++ • C • JavaScript • TypeScript • HTML • CSS • SASS • XML

Systems/Frameworks
Windows • MacOS • UNIX • Angular • Android • Node.JS • OpenGL • Keras

PUBLICATIONS

Garcia, B., Chu, S., Nam, B., **Banigan, C.** (2018). Wearables for Learning: Examining the Smartwatch as a Tool for Situated Science Reflection. *Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems (CHI '18).* Paper No. 256.

Chu, S., Deuermeyer, E., Martin, R., Quek, F., Berman, A., Suarez, M., Zarei, N., Nam, B., **Banigan, C.** (2017). Becoming Makers: Examining "Making" Literacy in the Elementary School Science Classroom. *Proceedings of the 2017 Conference of Interaction Design and Children (IDC '17)*, 316-321.