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Michael Spearman

Personal Projects (view more at github.com/blasian)

CO2GO [iOS + Objective-C] March 2015

- Tracked carbon emissions of vehicles based on speed, distance of travel and vehicle type.
- Compared past and present emission rates so user could try to reduce carbon footprint.
- Completed with a partner as a hackathon project.

View at github.com/blasian/CO2GO

Course Projects

Video Stream Client [Java] March 2015

- Utilized RTP/RTSP to allow clients to connect to a server and stream video over network.
- Buffered frames to deliver a high quality video under varying network conditions.
- Handled out of order packets, dropped packets and congested network connections.

Parallelism and Concurrency [C/C++] November 2015

- Implemented spin locks, blocking locks and semaphores to allow exclusive data access.
- Avoided deadlock by coordinating signaling and blocking between threads.

View at github.com/blasian/multi-threading

University of British Columbia (2012-2017)

BA in Computer Science In-Major GPA: 3.5

Technical Skills

Objective C	<div><div></div></div>	Git	<div><div></div></div>
Java	<div><div></div></div>	UNIX	<div><div></div></div>
C/C++	<div><div></div></div>	SQL	<div><div></div></div>