

Jayanth Mohana Krishna

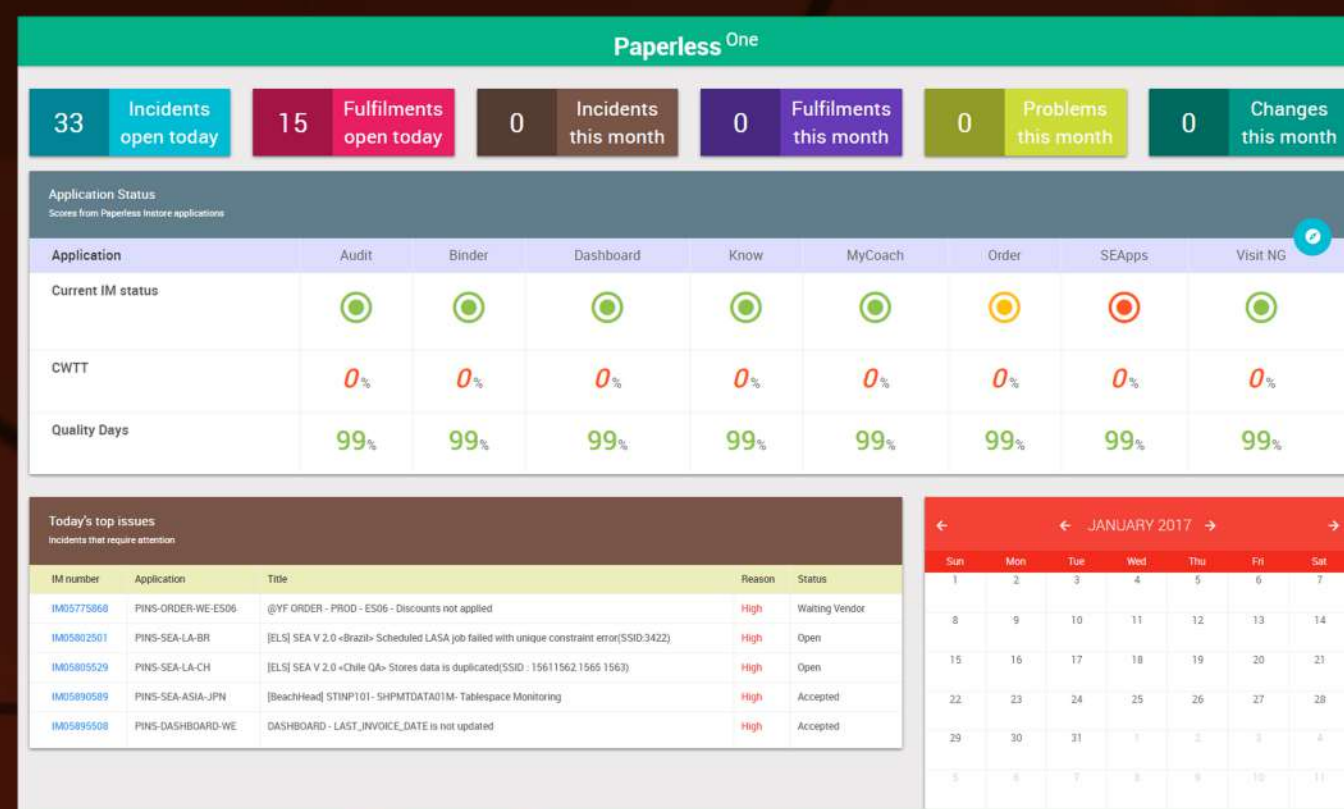
MS HCI, Interactive Computing
Full Time | Summer 2018

User Research and UI



Creative Spaces

User research to understand and encourage sharing of public and private meeting spaces on campus, and the quirks that come with it



Paperless^{one} Dashboard
Comprehensive Service Management with subscription alerts, automated reports and live monitoring to drastically reduce human effort



Interactive Models

A laser-cut cardboard projector prototype to evaluate the intuitiveness of proposed interactions of turning knobs, pressing buttons, connecting cables and changing lamps



Smart Home

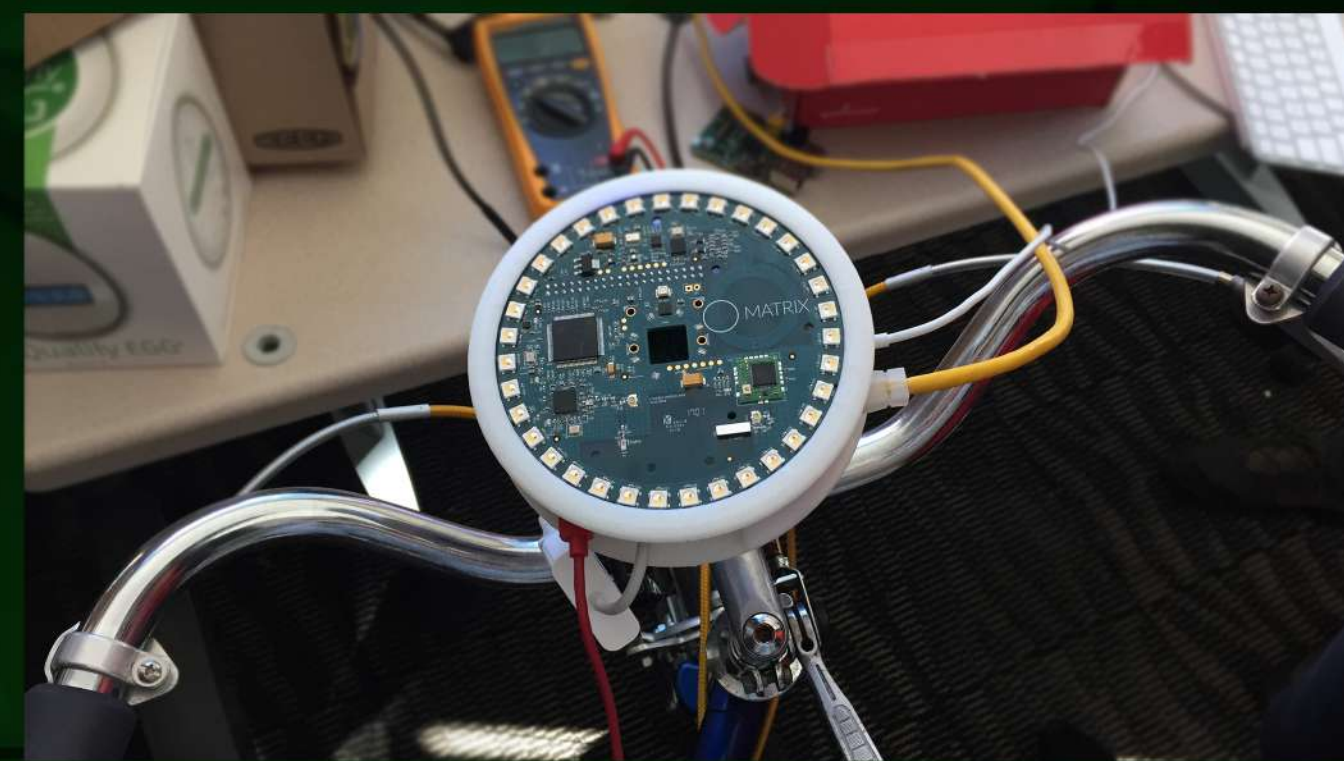
A location based smart home appliance management solution with centralized control, energy monitor and other features, to overcome gaps found in a typical smart home environment



Foam Modeling

A study in ergonomics, creating a low cost, low fidelity prototype of a handheld controller out of pink foam for maximim grip and comfort

Internet of Things



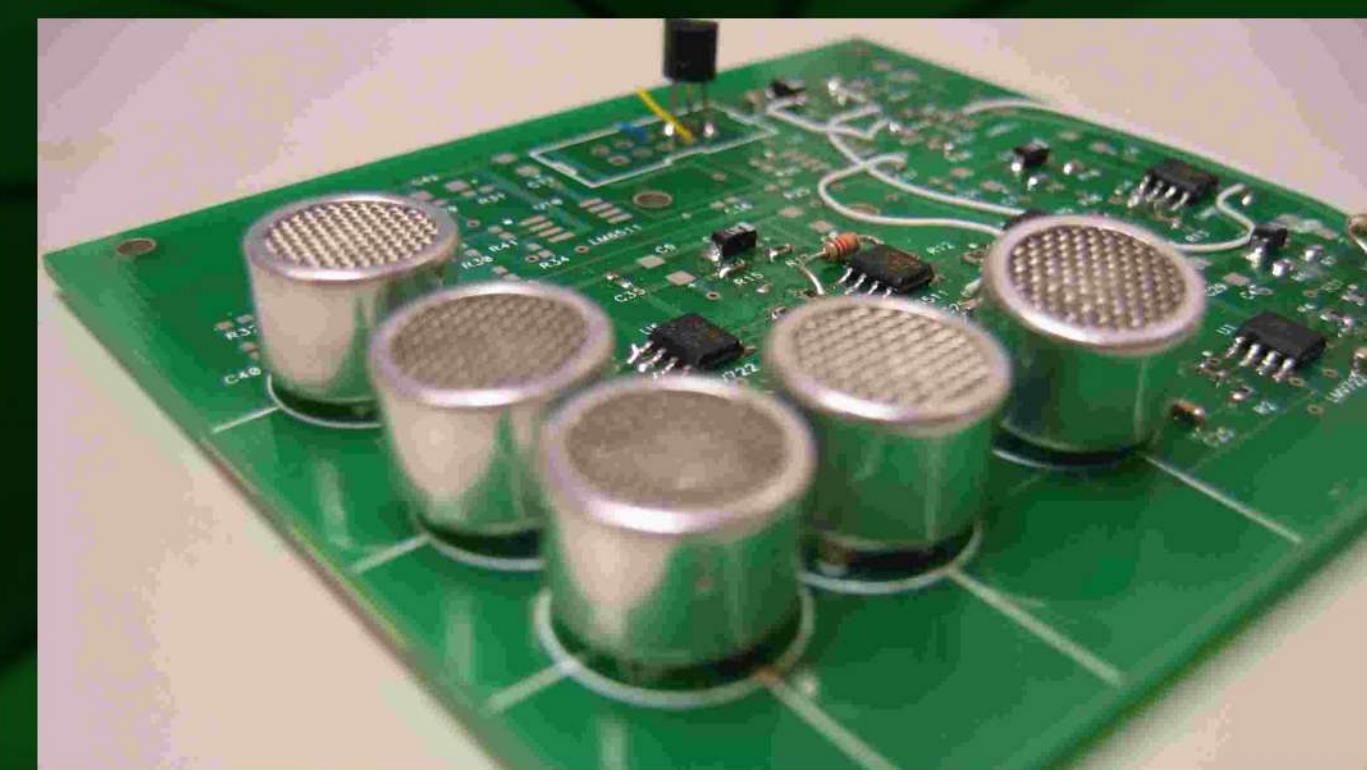
Seeing Like A Bike

Embedded sensors collect data about objective rider stress factors, telling City of Atlanta where to improve biking infrastructure



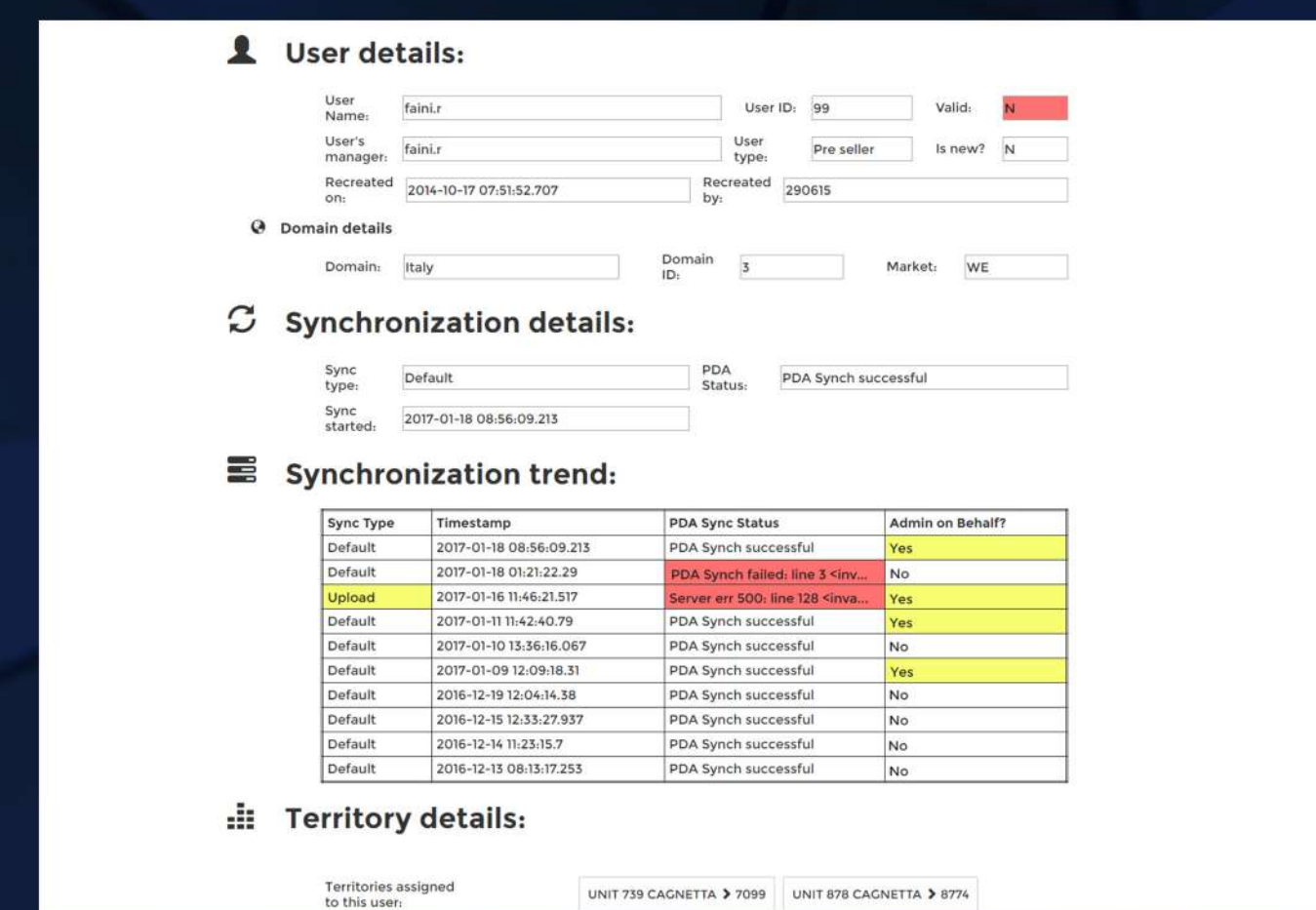
DIY Smart Homes

Talking to users and SMEs, studying sensors, services, apps, protocols and equipment to simplify and democratize the ultimate smart home experience



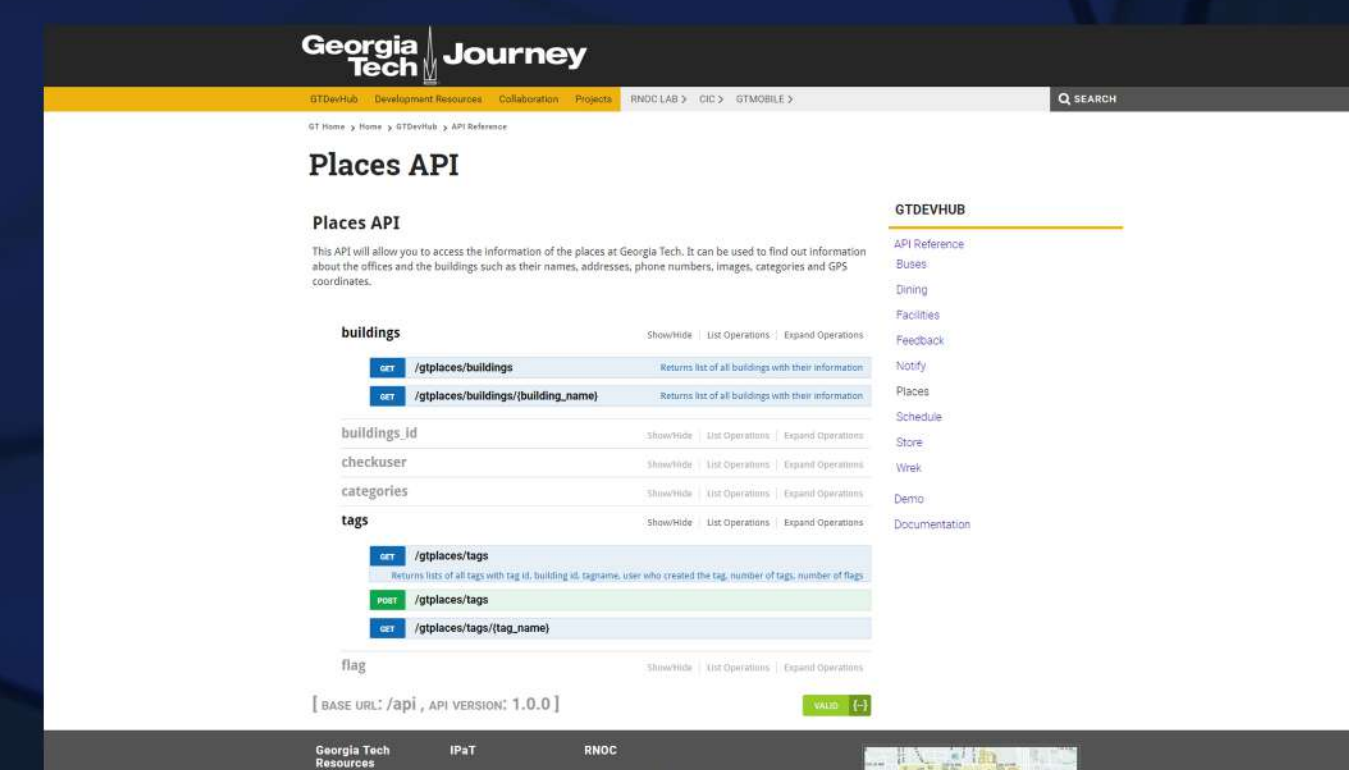
Context Management

A ubiquitous computing model that records the when, what, where, who and how of an appliance, and utilizes that information for tracking and inventory use, with conversational user interfaces and chatbots



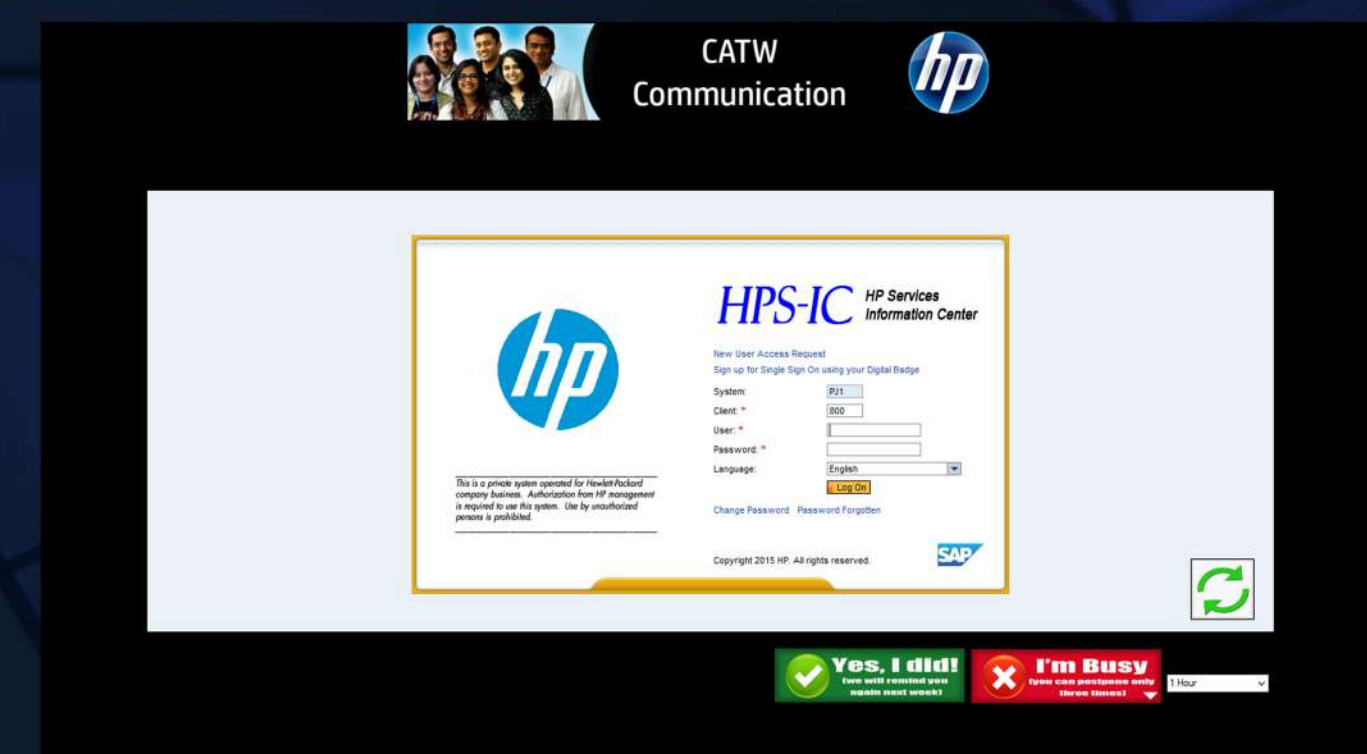
L2 Investigator

Matching support tickets to the Known Error Database and highlighting possible errors to simplify the debugging experience, for an IT Support team.



GT Journey

Creating easy-to-consume APIs for students and researchers, from data providers in and around campus; CI/CD approach with containerization



CATW Reminder

A deliberately intrusive Windows app that reads a SAP system and reminds you to fill your timesheet

Full Stack Apps

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3D and Physical Prototypes