Yuxiang (Ethan) Wang

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SUMMARY STATEMENT

Responsible self-starter with a hands-on mentality and lab experience graduating from UCSB in Computer Engineering. Worked on projects with diverse teams to solve problems through innovation.

QUALIFICATIONS

- *Programming Languages:*
    C/C++, C#, Java, Python, Matlab, HTML5, CSS, JavaScript, Verilog/System Verilog
- *Platforms, IDEs, and Tools:*
    Bash, Unix, Windows, Git/GitHub, Eclipse, Android Studio, Visual Studio, MySQL, jQuery, JSON, XML

EDUCATION

University of California, Santa Barbara (UCSB)

B.S. Computer Engineering (GPA: 3.15/4.0)   **September 2013 - June 2017**

- *Computer Science*:
    Distributed System (in progress), Android Development, Database, Computer Vision and Multimedia, Networking, Operating System, Automated Testing, Application Programming
- *Computer Engineering*:
    Embedded System Design, Sensor and Peripheral Interface Design, Computer Architecture

EXPERIENCE

Intern, Chemical Life Cycle Collaborative   **April 2017 - Current**

- In charge of designing and implementing database for environmental sensitive chemical substances.
- Experience: MySQL, Python, XML Database, XQuery

Research Assistant, UCSB Retina Lab   **July – December 2016**

- Responsible for image processing, writing new tools for image related processing, and software maintenance and updating.
- Experience: Java, Python, RStudio, OpenCV, Photoshop, Fiji

PROJECTS

- **Interactive AR Interface for Healthcare Robot** | Repository Unlisted Due to NDA
    Worked in a team to build an AR interface for a remote healthcare robot. Project includes an object classifier using machine learning, Java based robot control, and interactive graphic overlay. Responsible for designing framework, UDP connection, graphical user interface, and robot control.
- **Sprints for the day** | https://github.com/ethanyuwang/Sprints-for-the-Day
    A web app that takes the idea of sprint planning in software development to daily to-do lists. Users can create cards with task and a timer, so that they can focus on one task at a time and iterate quickly.
- **Social Network Database Management Program** | https://github.com/ethanyuwang/Buzmo
    Built a Facebook-like application that allows chats and microblog posts with SQL in Java. It also provides a manager interface for intuitive daily usage analysis.
- **Side-Scroll Game** | https://github.com/ethanyuwang/cs56-games-country-runner
    Significantly improved an existing Java side-scroll game. Took charge of troubleshooting, adding new difficulty levels and playable features, and version control on GitHub.
- **Wireless Robotic Insect** | https://github.com/ethanyuwang/Wireless-Robotic-Insect
    Designed and built an embedded system for robotic insect with support for Bluetooth control. Robotic insect is controlled through a LPCXpresso microcontroller.