

# Abhay Sampath

UX/UI Designer, Fullstack Developer

## EXPERIENCE

### **Interactive Brokers, Greenwich, CT — Senior Software Developer**

FEBRUARY 2014 - PRESENT

Brokerage firm and electronic trading platform.

Managed Margin System to maintain balances at different international entities. Upgraded and maintained Contract Archive system used to look up traded stocks and securities. Diagnosed urgent issues and generated real-time reports to meet exchange deadlines and regulatory requirements.

### **LGS Innovations Bell Labs, Florham Park, NJ — Engineer, Agile Sensing Networks**

JUNE 2012 - FEBRUARY 2014

Defense Contractor for U.S. D.o.D. that built and tested drones and other UAVs mounted with radio equipment, Top Secret Clearance.

Evaluated Inertial Navigation Systems (INS) by designing and executing a test plan to compare performance metrics from different manufacturers under various simulated flight conditions. Reduced long term sensor error accumulation 50% by recommending production cycle changes. Wrote embedded C++ code through Linux shell, integrating sensor with YARP-OS based system.

### **Stevens Institute of Technology, Hoboken, NJ — Research Assistant to Dr. Yan Meng, Morphogenetic Robotics**

JUNE 2009 - AUG 2011

Honda Research Institute of Europe funded research to design modular robots that are self-organizing, self-assembling and self-reconfigurable.

Designed electrical layout and mechanical structure of modular robots using Solidworks. Co-wrote a proposal for the design that has been published as part of International Conference for Robotics and Automation (ICRA 2011) in Shanghai, China.

## EDUCATION

### **Columbia University, New York, NY — UI/UX Design Certificate**

AUGUST 2021 - MARCH 2022

Boot camp course that taught User Interaction, User Experience, Responsive Web Design for Mobile App and Desktop Websites

### **Stevens Institute of Technology, Hoboken, NJ — M. E. Electrical Engineering, Nanotechnology Concentration B. E. Electrical Engineering, Entrepreneurship Minor**

SEPTEMBER 2008 - MAY 2012

Honors: Scholars Program (Combined Bachelor's Master's program), Dean's List, Edwin A. Stevens Scholarship, DeBaun Scholarship.  
Leadership: Vice President- Stevens Student Government Association, Head of Faculty Outreach- Stevens Honor Board.

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## LINKS

LinkedIn:  
linkedin.com/in/abhaysampath/

## SKILLS

Leadership

Coding: Java, Perl, SQL, C++, Spring, Rest APIs, HTML, CSS, Javascript

Tools: Adobe Xd, Figma, Miro, Eclipse

User Testing: Usability Testing, Guerilla Testing

Art: Drawing/Sketching, Painting, Color Theory

## PROJECTS

**Website Redesign Case Study: Farm Animal Rescue of Maine** Re-designed the navigation components of a local nonprofit farm that hosted summer camps and rescued farm animals

**Mobile Travel App Design** Conducted User Interviews and designed mobile app based on findings.

**Mobile App UX Design: Good Samaritan** Conducted user tests to determine how to design a mobile app suited to users' needs

**Government Website Re-design: FCC.gov** Updated the Information Architecture and Website Navigation for FCC.gov

## LANGUAGES

English, Tamil, Hindi