

# Archer Zou

## Software Engineer

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### PROFILE

A visual storyteller exploring the fusion of New Technologies. With 12 years of experience specializing in building applications, auto testing and everything in between, I try to learn as many technologies as possible and enjoy facing new challenges.

### SKILLS

#### Programming Languages

C, C++, C#, JavaScript, PLC

#### Libraries & Frameworks

React, Angular, Node

#### Database & Tools

LabWindows™/CVI, Measurement Studio, Redis, Git

#### UI/UX Design

LabView, Figma, Illustrator

### EDUCATION

#### Masters in Telecommunications Engineering

China Academy of Electronic Sciences

Sep 2007 – Apr 2010

#### Bachelor of Mechanical Engineering

Southeast University

Sep 2002 – Jun 2006

### WORK EXPERIENCE

#### Senior Software Test Engineer

Honeywell

Dec 2016 – present | Suzhou

- Design NPI test flow and develop automation control system in collaboration with R&D and Testing department.
- Design prototype application interfaces according to standard industry principles, collect relevant information, analyze and compare test data, troubleshoot and debug optimization.
- Develop and release Service Test tools for Global Service Depots and ensure the tools released meet HUE and are fully documented.
- Integrate different tools for the products combination of simplicity using C#.
- Develop interactive dashboard using React and TypeScript .

#### Advanced Software Engineer

IECAS

Dec 2012 – Dec 2016 | Suzhou

- Developed interactive space GIS web applications leveraging CesiumJS, ensured coherent user experiences across desktop and mobile platform.
- Data-driven analytics for geoscience using React and PostgreSQL.

#### Software Test Engineer

CETC 14th

Apr 2010 – Dec 2012 | Nanjing

- Developed scalable and efficient cloud disk to provide cloud services and applications using C Language.
- Implemented radar signal processing software based on DSP mainboard.

### PROJECTS

#### Automated testing for mobility products

PreFlash and build-in-test

- Developed mobile terminal test and measurement application with LabVIEW, designed UI and assembled with C Language. Through TI driver, ensure the communication between desktop and mobility.
- Applied LabWindows™/CVI IDE to create automated printer testing tools, and implemented the barcode recognition and the automation of printing.
- Write Control Logixs series PLC program for assembling machine, meanwhile prepared for operation by installing, upgrading and repairing parts and equipment as required.

#### Automatic printer test

- Responsible for system test and functional test specifications of printer.
- Responsible for developing automated test programs using C++.
- Develop test unit cases, including test papers on different scenarios, etc.
- Automatically generate test reports and ensure the performance and the quality of printers released to customers.

#### Product Lightbox [🔗](#)

A guide to Honeywell product resources for service engineering. Share their perspectives through thoughtful dialogue. They're able to frame feedback in ways that drive understanding and inspires action.

### HIGHLIGHTS

1. Self learning on programming, worked in a full-time position using C++ and other language to provide technological expertise and knowledge.
2. Designed creative features of inner application and proposed and implemented visual solutions for customer data application and analysis .