

Kyle O'Connor

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EXPERIENCE

Freelance/Travel

07/20/2019 - 11/01/2019

- Explored new Robotic Process Automation tools.
- Began to combine RPA tools with general purpose programming, to create web/mobile applications that go beyond what is possible with public API's alone.
- Improved front end skills, selling static websites to small business like [Häsi](#).

Union Bank

07/10/2017 - 07/01/2019

Robotic Process Automation Developer
San Diego, CA

- Led and developed the automation of 8 complete business processes using RPA tools. Combined, these automations provide 20,800 hours of automated work per year (10 FTE).
 - Collaborated with non-technical business owners to convert hopeful ideas into documented, unambiguous solutions.
 - Trained and mentored new developers, and offshore developers.
 - Maintained existing automations, and created documentation and upgrades for legacy projects.
 - Led Robotics demos, discussions, and presentations to other departments of the bank.
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PROJECTS

[SurfJournal](#)

❑ Description:

This web application makes it easy for surfers to journal their surf sessions. The journal is hooked into Surfline's API, so that users just have to put when and where they surfed, and then the conditions for that day will automatically be associated with their journal entry.

❑ **Technologies Used:** HTML, CSS, Javascript, PHP, AWS, Apache, MySQL, Bootstrap

SurfAnalytics (<https://github.com/Kyle628/SurfAnalytics>)

❑ Description:

This project aims to find the most consistent surf spot in the world by accumulating and analyzing data on surf and weather reports from all over the internet. The data is then presented graphically within a Web/Mobile app, to provide meaningful answers to questions about surf spots across the world.

❑ Technologies Used: HTML, CSS, Javascript, NodeJS, React, Leaflet, UIPath

Initial Disclosures

❑ Description:

Automated the creation of Initial Disclosures packages within the bank's Lending application: Empower. Prior to automation, this process was considered long and arduous for business users. Automation of this process generated huge savings, reduced employee headache, and eliminated human error.

❑ Technologies Used: Kofax Kapow, Javascript, Powershell, SQLServer

EDUCATION

University of California, Santa Cruz

December, 2016

Computer Science

Santa Cruz, CA

- Completed coursework in Data Structures, Algorithms, Graphics Programming, Application Programming, and Mathematics through Differential Equations.
 - Became proficient in various programming languages: Python, Java, C, Javascript, and PHP. Used these languages to develop hobby projects.
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SKILLS

- **Javascript**
 - Used heavily in conjunction with Kofax Kapow to create more complex automations, where data manipulation is needed.
 - Used frequently for personal projects involving web or game development.
- **Python**

- Programming language of choice for web development, and coding competitions.
- **Java**
 - Used academically, and personally, to create bots for video games.
- **PHP**
 - Used personally, to create web applications.
- **C#**
 - Used personally to create small video games in Unity.
- **SQL**
 - Years of academic, professional, and personal experience writing SQL queries for applications and automations. Preferred syntax is SQLServer.
- **Powershell**
 - Used professionally within larger automations, to automate small tasks like pdf manipulation.
- **Git**
 - Experience using Git as versioning control for personal projects.
- **AWS**
 - Used to deploy, host, and manage deployed personal projects.
- **Kofax Kapow**
 - Years of professional experience with this RPA tool. Used professionally to create primarily Web automations for Union Bank.
- **UIPath**
 - RPA Tool of choice, what I use for personal projects and automations.
- **PEGA Robotics**
 - Limited professional experience with this RPA Tool, experimented with at Union Bank.