

# RICKY KUANG

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## EMPLOYMENT

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### Developer III

*Feb. 2019 – Present*

Novacoast, Inc., Santa Barbara, CA

- Provided software development and consulting services to customers, including a major thermal camera manufacturer in OR, a major healthcare provider in NY, and a major energy company based in the Midwest
- Lead development of automating internal business processes, reducing operating costs by ~\$25,000/year
- Maintained legacy applications and delivered feature updates as per customer requirements
- Proposed and implemented use cases to bring core features to Novacoast's SIEM product, novaSOC
- Built CICD pipelines to streamline development, testing, and deployment of web applications
- Worked with a variety of different technologies e.g. Python, Qt, C#, .NET Core, WPF, and the Elastic Stack

### End User Computing Tech Assistant

*Mar. 2017 – June 2018*

UCSB Enterprise Technology Services, Santa Barbara, CA

- Performed monthly maintenance and quality assurance testing to seamlessly integrate new service features
  - Identified, diagnosed, and resolved service requests for 200+ users regarding computer hardware and software
  - Researched compatibility of 800+ applications for a smooth campus-wide migration to Windows 10
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## TECHNICAL PROFICIENCIES

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- Programming Languages: Python, Java, C#, C, C++, Ruby, Swift, HTML, CSS, JavaScript, PHP
  - Libraries & Frameworks: Django, PyTest, Rails, Jekyll, Middleman, jQuery, Bootstrap, Qt, .NET Core, WPF
  - Tools & Platforms: Git, GitLab, Docker, Heroku, Elastic, Firebase, Google Cloud, Chrome Dev Tools
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## EDUCATION

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UNIVERSITY OF CALIFORNIA, SANTA BARBARA, Santa Barbara, CA

2014 – 2018

Bachelor of Science, Computer Science

GPA: 3.62/4.00

- Minor: Statistical Science
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## NOTABLE PROJECTS

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### Internal Automation Application, Python

*Feb 2019 – Present*

Python, Qt, PyTest

- Developed a native application for macOS where users can run automations to complete time-consuming tasks
- Wrote Python scripts to automate everyday business tasks of internal accounting, sales, and HR teams
- Utilized various open-source libraries to streamline development on essential components
- Applied test-driven development to encourage productivity, maintainability, and robust programming
- Managed small team of developer interns, providing guidance through code reviews and day-to-day assistance

### Thermal Camera Application, .NET Core

*Spring 2019, Spring 2020*

C#, .NET Core, WPF

- Assisted major thermal imaging company with upgrading legacy application controlling for thermal cameras
- Integrated new features and resolved outstanding bugs as requested by client in statement of work
- Collaborated with project managers and engineers to fulfill deliverables ahead of schedule and within budget
- Conformed with MVVM design pattern to ensure codebase is flexible, reusable, and maintainable

### Thermal Camera Testing, Python

*Spring 2019*

Python, Robotic Process Automation

- Developed Python program to control machinery and test thermal cameras in various environmental conditions
- Conducted research on feasibility of removing sensor for mass-produced entry-level thermal camera module
- Designed efficient algorithms using concurrency and mutual exclusion to reduce time spent testing and cut costs
- Participated in weekly meetings to evaluate test results and adjust milestones accordingly