

PATRICK TUMBUCON

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PROFESSIONAL EXPERIENCE

Amazon.com, Seattle, WA

July 2019 - Present

Software Development Engineer

- Developing and designing a scalable API with a serverless architecture for a confidential service
- Enabling insight into complex machine learning models by exploring applications of SHAP analysis
- Reduced production fleet CPU utilization by 30% through optimizing conditions of asynchronous workflows
- Collaborating with data scientists to streamline the model refresh process
- Won 1st place in an org-wide hackathon by developing a flexible queue service for developer operations
- Resolved >5 high-severity issues and documented steps taken to prevent future issues
- Mentored 2 interns and guided them to design and implement a production-grade full-stack application

Esri, Redlands, CA

June 2018 - Sept. 2018

Technical SEO Intern

- Implemented structured data markup schemas in JSON-LD to be implemented across esri.com pages
- Collaborated with developers by bringing in a marketing perspective into their technical workflows

AWARDS

2nd Place, Esri Intern Hackathon

July 2018

- Led a team of 5 to build, market, and brand Locus, a web app that uses location analytics to find a suitable neighborhood
- Presented the overview, implementation, and competitive advantages of Locus to an auditorium of Esri employees

1st Place, BioHack

May 2018

- Developed the web scraping feature of SeeFood, a web app that uses computer vision to identify food and fetch its macronutrients
- Designed CSS animations for the front end

VOLUNTEERING

Event Director, Citrus Hack 2019

Apr. 2018 - Apr. 2019

- Recruited and managed a team of 9 committee leads to implement the vision, theme, and necessary logistics for the 36-hour hackathon

Professional Development Chair, ACM@UCR

Mar. 2018 - Mar. 2019

- Coached CS students on professional branding, presentations, and technical interviewing

SKILLS

LANGUAGES: Python, Scala, JavaScript, C++

TOOLS: AWS, Node, Linux, Git, Redshift, React.js