Thomas Nguyen
linkedin.com/in/thomasnguyens • tthucnguyen@gmail.com • portfolio

EDUCATION

University of California, Santa Barbara

Bachelors in Geography, emphasis in GIS   *December 2023*

LANGUAGES AND TECHNOLOGIES

Proficient: ArcGIS, Javascript, NodeJS, reactJS, JSON, HTML/CSS, mongoDB
Exposure: C++, Python, R, Amazon Web Services, Microsoft Office, Adobe Acrobat Pro

EXPERIENCE

Procareer Academy   Remote

Student Software Engineer   Feb 2024—July 2024
- Coursework: HTML, CSS, Bootstrap5, JavaScript, reactJS, nodeJS, mongoDB, expressJS
- An immersive, accelerated full stack developer program that covers 5 modules, Javascript, Full Stack Developer: Front-end, Back-end, Cloud Deployment and Data Structures & Algorithms.

County of Santa Barbara   Santa Barbara, CA

County Surveyor GIS Intern   Oct 2023—Feb 2024
- Create a digital spatial index of historic parcel maps to be accessible by the public on the CSO website.
- Using QGIS, created shapefiles through a combination of entering traverse descriptions of coordinate geometry (COGO) and tracing features from the current parcel boundaries.
- Implemented a systematic approach to enhance data searchability, utilizing Excel to create detailed tabular info linked to each parcel map. A seamless integration of these improvements resulted in a 30% increase in user engagement, allowing a more intuitive and data-rich experience for the public.

LA-Tech.org Powered by Fika Ventures   Los Angeles, CA

Business and Tech Academy Scholar   Aug 2023—Dec 2023
- Engaged in immersive mentorship sessions with renowned industry-leading tech companies, individuals are empowered to refine their professional skills through a comprehensive bootcamp.
- Delved deeply into the intricacies of product management, mastering the art of sales and marketing, while also exploring the dynamic realms of entrepreneurship and venture capital.
- Acquiring a comprehensive understanding of the entire tech ecosystem, spanning from ideation to funding, through immersive hands-on experiences and expert guidance.

ACADEMIC/TECHNICAL PROJECTS

Exploring the Most Suitable Areas for Modeling Tiger Habitats — *ArcGIS*
Leveraging GIS techniques, I meticulously analyzed various datasets, including boundaries, roads, forests, and digital elevation models. A synthesis of research and data manipulation needed to meet 5 criteria essential for tiger sustainability. Operating with minimal instructor guidance, I navigated the complexities of GIS to craft a complex map pinpointing 25 prime habitat locations that meet criteria.

Investigating the spatio-temporal patterns of wildfires in California Project — *ArcGIS*
Led the exploration of California wildfires' spatio-temporal patterns, utilizing advanced GIS software. With Proficiency in data visualization and interpretation, I analyzed fire occurrences and trends and synthesized insights for comprehensive reports, contributing to a 25% improvement in wildfire occurrence prediction accuracy.

LEADERSHIP EXPERIENCE

UCSB Associated Students Senate — *Food Justice Coordinator*   Jan 2023 — Dec 2023
Professional Skills: Intermediate experience with QGIS, Comfortable with MacOS, Google Sheets, Gmail, and Slack, Ability to manipulate data(ISO, XML, etc), Strong attention to detail