

# THOMAS RYAN

✉ thomas.ryan@outlook.com  
📧 thomasryan.xyz  
☎ 206-769-6361  
📍 Seattle, WA  
🐦 uncheckederror  
in /in/uncheckederror  
🔗 uncheckederror

## Skills

### FULL STACK WEB DEVELOPMENT

C#  
.NET 5  
Entity Framework Core  
Razor  
ASP.NET  
.NET 4.x  
JavaScript  
React  
Markdown  
Bootstrap  
CSS  
HTML  
Unit Testing  
Documentation  
Git  
Azure DevOps  
IIS Web-server  
Windows Server  
Microsoft SQL Server  
Oracle Database 11g  
T-SQL and P-SQL  
Azure

### MAPPING AND DATA SCIENCE

Python  
ArcPy  
ArcMap  
QGIS  
Leaflet  
PostgreSQL  
PostGIS  
Mapbox GL  
OpenStreetMaps  
iDEditor  
Geospatial Analysis  
Geometry Digitization  
Linux  
Quality Assurance

### WRITING AND MEDIA

Technical Writing  
Photography  
Research Design  
Lightroom  
InDesign  
WordPress  
Microsoft Office Suite

## Education

University of Washington - Seattle Campus  
Bachelors of Arts in Geography - GIS Track 2016  
Minor in Urban Design and Planning 2016

## Employment

King County - Information Technology  
Senior Applications Developer  
Seattle, WA  
Mar. 2020 to Current

- Built internal applications and public portals using ASP.NET Core, Power Apps, and the Microsoft Dynamics platform to support the County's response to the COVID-19 pandemic.
- Worked on Agile software engineering teams to prioritize delivering value to customers and scoping out the resources required to succeed.
- Designed and built solutions to digitize the assessment and collection of wastewater escrow charges as well tools to help investigate arson incidents using Power Automate Flows, the Dataverse, and the Dynamics PaaS.

Accelerate Networks - Startup  
Principal Software Developer (Part-time)  
Seattle, WA  
Nov. 2019 to Current

- Built a console app to ingest data from 3rd party vendors using both SOAP and REST API clients every 20 minutes.
- Built an ASP.NET Core MVC web app to act as an ecommerce site.
- Built an authenticated ASP.NET Core app to handle the management of the ecommerce site and the ingest console app.
- Reimplemented Washington State's sale tax rate lookup API to improve performance and reliability in support of our ecommerce app.
- Used Azure DevOps to perform continuous integration and deployment to our Linux-based cloud infrastructure.
- All of these projects were constructed as open source on Github:  
<https://github.com/AccelerateNetworks/NumberSearch>

Kitsap County - Information Services  
Software Developer - Full Stack, GIS  
Port Orchard, WA  
Jan. 2018 to Mar. 2020

- Maintained and modernized the County's public tax information web app, Parcel Details.
- Transitioned the app to a responsive design.
- Implemented feature requests to display contextual information for tax parcels including their zoning, permitting, and jurisdiction rules.
- Designed UX enhancements based on feedback from elected officials and internal customers.
- Evangelized tools and practices new to the organization including the use of source control, pair programming, unit testing, continuous integration, telemetry collection, and stand ups.
- Worked on the creation of a unified API for interacting with county data called the Kitsap API.

Software Developer (Part-time)  
Continued supporting applications that I built for Kitsap County in a part time capacity.  
Remote  
Apr. 2020 to Current

Apple via Apex Systems  
GIS Technician - Lead Editor  
Austin, TX  
Nov. 2016 to Dec. 2017

Analyze, validate, and enhance existing content while assembling new content for consumer applications. This position is covered by a non-disclosure agreement.

PCWorld  
Freelance Writer (Part-time)  
Remote  
Feb. 2015 to June 2017

Created articles from concept, to copy, to photography for an audience of over 10 million monthly readers. Pitched time sensitive ideas to senior editors and created high-quality technical content on tight deadlines. <http://www.pcworld.com/author/Thomas-Ryan/>

## Awards

Lean Six Sigma - Yellow Belt  
Process improvement certification from Kitsap County's Performance Excellence group.  
Aug. 2018

American Society of Civil Engineers · 2016 Bridges Calendar Photo Selectee  
For the month of April.  
Nov. 2015

Boy Scouts of America - Chief Seattle Council · Eagle Scout  
Dec. 2011

## Volunteering

Humanitarian OpenStreetMap Team (HOTOSM) · Data Contributor  
<https://www.openstreetmap.org/user/UncheckedError>  
Current