

# Dave Choi

## *Personal information*

[Geospatialize@protonmail.com](mailto:Geospatialize@protonmail.com)

[Dave Choi](#) | [LinkedIn](#)

## *Experience*

### **Safe Software Inc.**

(July – Present)

#### *Technical Support Specialist*

- Provide technical support for customers with ArcGIS Pro and SharePoint related issues with FME.
- Created known issue articles and updated knowledge base and troubleshooting articles.
- Participated, prepared, and delivered Webinars and Q&A sessions.
- Created information articles for internal knowledge base.

### **Safe Software Inc.**

(April 2024 – May 2024)

#### *Technical Support Intern – Practicum: Data Integration for Utilities with FME*

- [Created Tutorial Articles on FME and ArcGIS Utility Network.](#)
- Topics include Reading/Writing ArcGIS Feature Service, Database Operations/ChangeDetection, Generating HTML Report, Synchronizing Datasets.

### **Esri Canada Centre of Excellence (ECCE) - App Challenge**

(April 2024)

#### *Team BCITree, App: Vancouver Tree Equity Visualizer, First place winner*

- App visualizing Vancouver canopy cover, street trees, treetop points derived from LiDAR, 3-30-300 rule and index of Vancouver at Local boundary and Dissemination Area scale.
- Devised methodology, facilitated teammate tasks, and created app using ArcGIS Experience Builder. [See Project.](#)

### **The University of British Columbia – Faculty of Forestry**

(Jan 2023 – May 2023)

#### *Capstone Projects (UFOR 401)*

##### *[Individual Project]*

- Evaluated the impact of urban development on the urban heat island effect at a specific study site on UBC campus using zonal statistics.
- Generated time series data for land surface temperature from Landsat 8 satellite imagery and air temperature from building HVAC sensors.
- Presented research findings effectively to various professors, stakeholders and interested students.
- Conducted statistical validation of land surface temperature data with air temperature data using RStudio.
- Shared results and insights with UBC Social Ecological Economic Development Studies (SEEDS) and UBC Campus and Community Planning.

##### *[Group Project]*

- Preliminarily assessed heat-vulnerable areas on UBC campus.
- Utilized remote sensing techniques to produce Normalized Difference Vegetation Index Normalized Difference Water Index, and land surface temperature using Landsat 8 satellite data.
- Generated landcover classification of UBC campus using maximum likelihood supervised classification.
- Presented research findings concisely and comprehensively to capstone class and stakeholders.
- Shared results and insights to UBC Social Ecological Economic Development Studies (SEEDS) and UBC Campus and Community Planning.

## Education

---

### British Columbia Institute of Technology (2024)

#### *Advanced Diploma in Geographical Information Systems*

- Graduated with distinction.
- Acquired and applied knowledge of the fundamentals of geomatics, AutoCAD, scripting python, GIS, ArcGIS, database/ORDBMS, SQL, HTML, and JavaScript.
- Utilized object-relational database management systems to manipulate spatial and non spatial data.

### The University of British Columbia (2023)

#### *Bachelor of Urban Forestry, Minor in Urban Greenspace Management*

- Graduated with honors.
- Acquired and applied knowledge of the principles of forestry, urban forestry, arboriculture, biology, conservation, ecology, ecosystem management, sustainability, research, and analysis.
- Conducted comprehensive literature reviews on various topics, including urban heat island effect, urban cooling effect, limitations of i-Tree Eco, etc.
- Effectively communicated research findings through written documents and oral presentations.

### British Columbia Institute of Technology (2018)

#### *Electrical Foundations*

- Covered courses includes Applied Mechanics, Fundamentals of Electricity, Principles of Magnetism, Wiring Methods, Electrical Codes + Plans + Specifications, AC Circuit Analysis, Electronic Devices, Basic Motor Control, and Computer skills + Job Preparation.

## Skills

---

<b>GIS Software Competency</b>	ArcGIS Pro/Online/Portal/Server/REST Services/Experience Builder, QGIS, FME Form, QGIS, ENVI, Metashape, Catalyst Professional, AutoCAD, MicroStation, Google Earth Engine.
<b>Coding Language Competency</b>	Python, R, SQL, Java, JavaScript, HTML + CSS, Arcade
<b>Soft Skills</b>	Attention to detail, Adaptability, Technical writing & communication, presentation preparation & delivery, Analytical & Critical thinking, Conflict resolution & management

## Certifications

---

Emergency First Aid for Industry (OFA Level 1)	(2022)
Level A CPR/AED	(2022)
General Audience Workplace Hazardous Materials Information System	(2022)

## Languages

---

English: Native Language  
Korean: Intermediate Listener, Speaker, and Reading, Novice Writing