

Zayden Kim

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SUMMARY

Current undergraduate student specializing in Water Resources Engineering. Gaining hands-on experience through academic projects and research enhances practical skills. Demonstrates ability to communicate effectively with both technical and non-technical audiences, focusing on collaboration and ethical decision-making. Actively pursuing opportunities to contribute to innovative environmental engineering projects. Proven proficiency in utilizing software tools, completing design calculations, and analyzing data, laying a solid foundation for a career in civil engineering. Engaging with team members fosters strong partnerships while adhering to safety protocols and company policies.

EDUCATION

Bachelor of Science in Water Resources Engineering
Georgia Institute of Technology GPA: 3.8
Coursework: Hydrology, Environmental Engineering, Soil Mechanics, Water Treatment

2028
Atlanta, GA

TECHNICAL SKILLS

- **Software Tools:** ArcGIS, AutoCAD, Excel
- **Research Methodologies:** Field Sampling, Data Analysis, Technical Reporting
- **Project Management Tools:** Agile Methods, Timelines, Deliverables
- **Communication Platforms:** Presentations, Reports, Team Meetings
- **Mobile Development:** App Design, User Testing, Interface Layouts
- **Water Management Technologies:** Stormwater Systems, Hydrology Data, Quality Assessments
- **Engineering Designs:** Preliminary Calculations, Compliance Standards, Sustainable Practices
- **Data Visualization Tools:** Charts, Graphs, Reports
- **Problem Solving Approaches:** Conception, Development, Iterative Feedback
- **Ethical Standards:** Safety Protocols, Responsible Resource Use, Company Policies

SKILLS

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|---------------------|----------------------|----------------------------|----------------------------------|
| • ArcGIS | • Project Management | • Research Skills | • Collaboration |
| • AutoCAD | • Data Analysis | • Sustainability Practices | • Agile Methodologies |
| • Excel | • Field Work | • Hydrology | • Mobile Application Development |
| • Technical Writing | • Public Speaking | • Environmental Assessment | • Community Engagement |

EXPERIENCE

Water Resources Research Assistant
University Project
Supported water resources engineering tasks involving data analysis, project documentation, and field studies. Worked closely with faculty and peers to execute hydrological assessments and develop recommendations.

- Collaborated with a team to analyze hydrological data using ArcGIS and Excel for visual insights.
- Assisted in designing experiments that evaluated local water quality parameters, contributing valuable research outcomes.
- Authored technical reports highlighting findings and suggestions for better water management practices.
- Participated in fieldwork activities focused on sample collection while ensuring compliance with safety guidelines.
- Engaged in formal presentations, enhancing public speaking skills by communicating project results effectively.
- Maintained organized project documentation, critical for structured project management.

Water Resources Engineering Developer
Capstone Project
Led a student team focusing on sustainable stormwater management solutions benefiting local communities. Oversaw research initiatives and ensured high-quality deliverables involving design calculations and stakeholder communications.

- Directed the design process for a sustainable stormwater management system, emphasizing minimal environmental impact.
- Conducted thorough research on contemporary civil engineering techniques and water resource management.
- Employed AutoCAD for preliminary design calculations, establishing compliance with applicable engineering standards.
- Effectively presented final proposals to stakeholders, welcomed for clarity and insightful content.
- Juggled project timelines and responsibilities, showcasing advanced organizational capabilities throughout the initiative.

January 2026 - Present
Atlanta, GA

September 2025 - December 2025
Atlanta, GA

- Documented every project stage, compiling a comprehensive portfolio that illustrated the team's efforts.

Water Conservation App Developer
Hackathon Project

March 2026
Remote

Produced a mobile app designed to promote water conservation through community engagement. Collaborated with an interdisciplinary team to brainstorm features and enhance diversity of thought in innovation.

- Developed a mobile application dedicated to fostering water-saving habits among users.
- Cooperated with team members to ideate, design user interfaces, and program application efficiencies.
- Executed user testing sessions to gain feedback, leading to iterative improvements on essential features.
- Showcased a working product during a regional hackathon, earning accolades for creative solutions aligned with water management.
- Utilized agile methodologies to ensure milestones were achieved within project deadlines.
- Sought guidance from mentors, refining software development practices and fostering lasting relationships.

LEADERSHIP & AWARDS

- Dean's List, Georgia Institute of Technology, 2025
- First Place, University Hackathon, 2026

CERTIFICATIONS

- Introduction to Water Resources Management 📅 2026
- ArcGIS for Beginners 📅 2026

PROFESSIONAL AFFILIATIONS

- Member, Water Resources Club, Georgia Institute of Technology, 2025 - Present
- Volunteer, Local River Cleanup Initiative, 2026

LANGUAGES

- English (Native)
- Korean (Intermediate)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST