

# Zayden Kim

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Atlanta, GA 30303

## 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

January 2026 - Present  
Atlanta, GA

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

September 2025 - December 2025  
Atlanta, GA

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

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

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

CERTIFICATIONS

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

PROFESSIONAL AFFILIATIONS

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

LANGUAGES

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- English (Native)
- Korean (Intermediate)

ADDITIONAL INFORMATION

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

REFERENCES

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AVAILABLE ON REQUEST