EUGIN PAHK

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Education

Colorado School of Mines   **August 2021 – December 2023**

Bachelor's of Science in Computer Science   *GPA: 4.0*

- Colorado Scholars Fund Recipient – full-tuition scholarship
- Google CMAPP Scholar, PATHS CS Scholar, FIRST Scholar

Skills and Certifications

Active Secret Clearance
Skills/Languages: Python, Java, C++, JS, C#, AWS
Frameworks & Tools: NodeJS, React, SolidJS, Maven, Jenkins, SonarQube
Certifications: AWS Solutions Architect – Associate, Security Pro, Network Pro, Linux Pro

Work Experience

Chevron   **May 2023 – Aug. 2023**

Software Engineering Intern   *Houston, TX*

- Developed C# plugins, modeling 3D seismic data to optimize geoscientist workflows. Contributed $5M in business value, aiding drilling operations to prevent kicks and well losses
- Wrote C# and Python scripts for data migration between Azure environments for Chevron New Energies

Cloud303   **Aug. 2022 – May 2023**

Cloud & Software Engineering Intern   *Lakewood, CO*

- Built a full-stack web app utilizing computer vision to locate missing people in drone searches. React frontend, Python backend containerized for AWS Lambda
- Provided consulting to clients on security, efficiency, and cost of their AWS tech stacks

Northrop Grumman   **June 2022 – Aug. 2022**

Systems & Software Engineering Intern   *Colorado Springs, CO*

- Automated generation of JUnit tests using fuzzing tools; increased code coverage up to 38%
- Utilized Maven and Jenkins, to create SonarQube jobs for code analysis for 8 repositories

Colorado School of Mines   **Jan. 2022 – May 2022**

Discrete Math Teaching Assistant   *Golden, CO*

- Taught fundamentals of computer science including logic, sets, proofs, combinatorics, and recursion
- Wrote homework assignments & exams, graded, and held weekly office hours

Research Experience

Center for Cyber Security and Privacy   **Sept 2021 – May 2022**

Research Assistant, Co-Author   *Golden, CO*

- Developed website for a user study simulating privacy negotiations in smart homes
- Lead member on the negotiation algorithm; conducted statistical analysis using R and Python
- Published our paper in ACM CHI 2023 Conference, 2nd author

Leadership Experience & Clubs

Association for Computing Machinery (ACM)   **Aug. 2021 – Present**

Vice Chair   *Golden, CO*

- Led club & officers, planned weekly meetings & events, arranged tech talks with industry partners
- Organized a hackathon at University of North Carolina Chapel Hill with 16 members
- Facilitated a mentorship program in collaboration with ACM-W to connect underclassmen with upperclassmen

Mines Cybersecurity Club (Oresec)   **Aug. 2021 – Present**

Secretary   *Golden, CO*

- Coordinated tech talks from alumni and industry professionals
- Competed in CTFs, blue-team defense competitions; 3rd at RMCCDC regionals

Projects

Rende   **Jan. 2023 – Present**

- Web app to help students find campus events and to help organizers facilitate and advertise their meetings
- SolidJS frontend, Go backend, Postgres DB, hosted in AWS