BENJAMIN GEYER

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EXPERIENCE

Software Development Engineer Intern - Zillow Group Inc, Seattle, WA   6/20 - 9/20
- Developed, tested, and deployed email reminder system for nearly 600 Housing Connector community partners using Python, Java, React, DynamoDB, MySQL, Terraform, and AWS.
- Won 1st and 2nd place out of 12 teams in the Social Impact category of companywide hackathon.
- Ramped up teammates with Social Impact code, tools, and documentation during hackathon.

Technical Co-Founder - ShoeBio Inc, Corvallis, OR   11/18 - 11/19
- Developed website back-end in Python 3 from scratch to beta in 6 months in a Linux environment.
- Learned Flask, Elasticsearch, Logstash, and AWS EB while coding and deploying a REST API in 3 weeks.
- Designed and programmed a distributed system of web scrapers to process data asynchronously using Scrapy, Twisted, MongoDB, and Docker.

DevOps Intern - City of Salem IT Department, Salem, OR   12/17 - 7/19
- Developed web applications from start to finish on a team of interns using ASP.NET MVC framework.
- Built a website to track damage done to police vehicles, replacing a long paper-based process.
- Created an application to automate the process of compiling daily briefings for police officers.

URSA Engage Research Intern - Oregon State University, Corvallis, OR   2/18 - 6/18
- Tested the effectiveness of reinforcement learning in training a bipedal robot to stand and walk.
- Decreased convergence time by 25% for learning to walk and successfully trained the robot to stand.

ASE Research Intern - Saturday Academy, Portland, OR   6/16 - 8/16
- Labeled and processed data to train a neural network to recognize and classify bird calls from audio.
- Processed 174 hours of recordings in several minutes with the trained model.

EDUCATION

Oregon State University, Corvallis, OR   Spring 2021
- B.S. Computer Science | Cumulative GPA: 4.0 out of 4.0 | Honors College
- Completed coursework in Data Structures, Algorithms, Software Engineering, Linear Algebra, Artificial Intelligence, Machine Learning, and Digital Logic.

Study Abroad in Seoul, South Korea: Ewha Womans University / IE3 Global   Fall 2019
Study Abroad in London, United Kingdom: Oregon State University Faculty-Led   Summer 2017

TECHNICAL SKILLS SUMMARY

- **Languages:** Python, JavaScript, C/C++, C#, Java, SQL, HTML, and CSS.
- **Databases:** Microsoft SQL Server, MySQL, DynamoDB, MongoDB, Elasticsearch, and Logstash.
- **Technologies/Frameworks:** Git, React, Node, AWS, Terraform, Docker, and ASP.NET MVC.