

# Will Taylor

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## 🎓 EDUCATION

**Bachelor of Science: Computer Science** | University of Washington | *Sept 2017 – Mar 2021*  
Interdisciplinary Honors Program and a specialization in Data Sciences

## 👜 PROFESSIONAL EXPERIENCE

**Software Development Engineer in Test** | Qualtrics, Seattle, WA | *May 2021 – Present*

- Spearheaded the early migration of our Resiliency Testing infrastructure to support a company wide platform transition and ensure teams can verify system reliability post-migration
- Created a Dependency Detector in order to inform engineers of their services' place in the infrastructure, enable automated test generation & execution, and enable SLA and contract tracking
- Collaborated cross-team to create a test run management system instantiated on each host in staging in order to enable centralized, scheduled resiliency testing, horizontal scale testing, and real-time test results for in-house tools
- Ran weekly incident reviews to create testing action items and support teams in their completion
- Provided engineering support and drove adoption for relevant testing methodologies and tools
- Established and maintained feature parity between the in-house resiliency toolkit and leading alternatives

**Software Development Engineer Intern in Test** | Qualtrics, Seattle, WA | *June 2020 – Sept 2020*

- Designed & implemented a robust, resilient, and highly performant Dependency Mocking system to enable isolated load testing
- Cooperated cross-team in order to capitalize on existing internal tools & promote early adoption of the Dependency Mocking system

**Software Engineer & Data Analyst** | VPGame Inc., Bellevue, WA | *June 2019 – Sept 2019*

- Created an end-to-end data pipeline to analyze & store customer data with high throughput to handle a multi-million daily active user count
- Exposed both RPC & RESTful APIs to provide user access to aggregate data while ensuring database security
- Implemented an autonomous social media manager to integrate with existing systems to cover the DOTA 2 tournament "The International 9"
- Architected a NoSQL to SQL database port with an online query and visualization system to enable data analytics

**IT Support** | Progressive Awareness Research Inc., Spokane, WA | *June 2018 – Sept 2018*

- Front-end web development through the Shopify API to maintain PAR's online store
- Automated product art processing and standardization for store modernization
- Updated and maintained on-premises computer systems
- Optimized site design and SEO, leading to a direct increase in sales

**Player, Caster, Personnel Management** | Rise eSports, Phoenix, AZ | *Oct 2015 – Mar 2018*

- Created promotional material for the founding of Rise eSports, including event casting
- Competed live on stage in the Cheesadelphia 4 and Cheesadelphia 6 *StarCraft II* tournaments
- Recruited, coached, and managed talent for the academy and professional rosters

## 📁 SKILLS AND PROJECTS

**EmotiBoo (Back-End Server & API Integration): Application to supplement conversation via real-time emotional breakdowns based on facial expression and body language**

- DubHacks 2018, winner of Accessibility Track

**Languages:** Java, Python, GoLang, C/C++, JavaScript, TypeScript

**Tools:** Apache Flink, SQL, NoSQL, GCE, AWS, Docker, Jenkins, GitLab CI/CD Pipelining, Consul, Nomad, Gremlin, AWS FIS, Artillery, ChaosToolKit & Pumba, Selenium, PyTorch

**Methodologies:** Scale, Performance, and Resiliency testing, Root Cause Analysis, Test Design and Automation