Daniel Leef *daniel.g.leef@gmail.com*

+1 (503) 708-7009
75 107th Avenue SE, Apt. 642, Bellevue, WA, 98004 USA linkedin.com/in/Daniel-l-288017b6

EDUCATION

University of Oregon, Double-Major, Expected Graduation: **June, 2021** / GPA: **3.80**
BS Computer Science / **BS** Economics / **Minor** Mathematics

Research Interests: Applications of computer science to solve economics and business problems, data visualization / science, optimization, market modeling, financial engineering, cybersecurity
Relevant Coursework: Data Structures, Algorithms, Operating Systems, Machine Learning, Advanced Economic Theory, Behavioral Economics, Econometrics, Linear Algebra, Number Theory, Monetary Theory

SKILLS

- ***Languages**: C, C++, Java, C#, Python, Typescript / Javascript, Swift, HTML, Haskell, Racket, and R*
- ***Technologies**: Redis, Spring Framework, GraphQL, Docker, Kafka, React, SQL, MongoDB, Firebase*
- ***AWS**: EC2, ECR, S3, ElastiCache, Elastic Beanstalk, Lambda*

EXPERIENCE

Employment

- **Microsoft – Software Engineering Intern** (June, 2020 – September, 2020)
  - On the Key Vault Managed HSM team within C+AI Security: designed and deployed to production a website that allows quick access to crucial, real-time security data
- **Nordstrom – Software Engineering Intern** (June, 2019 – September, 2019)
  - On the Prices and Promotions team: designed, implemented, and deployed to production a new database layer that masks data using inputted templates without affecting latency
- **Mentor, a Siemens Business - Software Development Intern** (June, 2018 – September, 2018*)*
  - Built a GraphQL API for ContextSDM™ product; re-implemented for Apache Kafka

Research, University of Oregon

- ***Center for Cybersecurity and Privacy (CCSP) – Research Assistant*** (April, 2019 – Present)
  - *CAPTURE: defending against and thwarting Phishing attacks through social computing*
  - *Cryptocurrency: tracking malicious BitCoin activity (**UO Ripple Scholarship** recipient)*

Independent App Development:

- *Created iOS application **BlubHub** (available on Apple app store) that provides anonymous college-based messaging forums with upvote / downvote capabilities*
  - *Developed in **Swift** with Xcode with a **Firebase** backend*
  - *Marketing plan developed and will be executed next term on UO campus*

Encryption Project (September, 2015 – February, 2016)

- Junior year High School Science Project: ***"Creating a Secure Communications System Using a One-time-pad Exchange Method and a Web-generated Substitution Cipher"***
- Conceived, designed, and implemented with Java and in Eclipse an encrypted communication system that uses Web Services APIs to derive randomness from weather and stock data

Entrepreneurship Club (September, 2014 – May, 2017)

- Co-founded a forum where top business executives, as well as locally and nationally renowned entrepreneurs, come to speak with students about their paths to success

PERSONAL: filmmaking / screenwriting, poetry, skiing, hiking, basketball, traveling, cooking gourmet meals, UO Club Tennis, two-time Oregon state tennis champion (4A/3A/2A/1A) in doubles: 2016, 2017