

## Education

- [Georgia Institute of Technology](#) - 2018-Present
  - MS in Computer Science - specialization in [Interactive Intelligence](#) & [Machine Learning](#) (ML, AI4R, ML4T, Ed. Foundations, HCI, RL)
- [Washington State University](#) - 2011-2015 - 3.35 Cumulative GPA
  - BS in Computer Science
  - [Junior Writing Portfolio](#) - Pass with Distinction - Top 10% of Graduating Class

## Technical Experience

- Programming languages: Node.js/javascript/TypeScript, Python, Bash, C, Terraform, HTML, CSS

Scrum/Agile Development	Git	ESLint	CI/CD
MySQL, PostgreSQL, NoSQL	Linux	Swagger/JSON	React.js/Redux/Webpack
Unit, int, acceptance testing	Docker	Linux	RL/TD learning/Q-learning
Supervised/Unsupervised Learning	ML concepts	MDP/Markov games	Bellman equation

## Related Work Experience

- **Senior Software Engineer (Full Stack)** at *Avalara* (May 2017 - Present)
  - [developer.avalara.com](#) - Wrote and deployed docs website - generated by Swagger
  - [buy.avalara.com](#) - purchase platform - fully automated blue/green deploys, react, Node, AWS
  - Notice Manager - Architected machine learning tool to automate support of tax notice uploads
    - Fully automated testing, linting and deploys
    - Extensive use of AWS Lambdas, Elastic Beanstalk, S3, API Gateway, EC2, VPC, network sec., etc.
  - [account.avalara.com](#) - React.js, redux, webpack, jest (testing), UX/UI design, Segment analytics
    - Working with product and design to build out services that drive revenue from entire company
  - [nexus.avalara.com](#) - Architecting and implementing tax nexus determination tool
  - app-archetype - scaffolding/architecture tool for all Avalara engineering products, internal npm registry
- **Backend Software Engineer** at *Figo GmbH* (February 2016 - April 2017)
  - Feature writing & maintaining online multi-banking API that interfaces with banks API's and websites.
  - Working with team writing and reviewing code, managing releases, ticket management (JIRA).
  - Managing multiple projects/tickets at one time. Multiple branch management.

- Writing own quality assurance, creating CI testing pipeline.
- Maintaining public SDK (Node.js).
- **Senior Design Project** at *WSU* (January 2015 – January 2016)
  - Designed mobile app to track activity. Collaborated with team on API, database, mobile app, and ML
- **IT Security** at *WSU Security* (October 2014 – January 2016)
  - Puppet scripting, enterprise network & server configuration, APT analysis, Metasploit, Splunk.
- **Django Developer** at *WSU Anthropology Dept.* (September 2014 – April 2015)
  - Website for anthropology dept. (full stack). Tech used: Django, CentOS, PostgreSQL, nginx
- **Software Developer** - *Intern at Minapsys* (June 2014 – July 2014)
  - MongoDB to store i18n translations (Japanese), Node.js API, Angular UI

## Interested in learning more of...

- TensorFlow/Keras
- Machine Learning / RL
- NLP
- Computer vision
- Finance, stock market analysis, stock behavior predictive modeling
- Hadoop/Spark

## References

- Alan Balasundaram ([linkedin](#)) – Director of Engineering – Avalara – [balasuar@gmail.com](mailto:balasuar@gmail.com)
- Aaron Colby ([linkedin](#)) – Lead Software Engineer – Minapsys – [acolby@live.com](mailto:acolby@live.com)
- Max Filenko ([linkedin](#)) – Senior Software Engineer – FREE NOW – [linkedin@filenko.ms](mailto:linkedin@filenko.ms)

## Contact

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