Tamer Avci

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Education

Emory University   *Aug 2013 – May 2016*
BS in Computer Science (early graduation)

- **GPA**: 3.76/4.0
- **Coursework:** (Grad-level) Systems Programming, (Grad-level) Theory of Computation, Database Systems, Data Mining, Algorithms & Data Structures, Statistics, Optimization Theory

Experience

Senior Software Engineer (L6)   *Seattle, WA*
Amazon One ↗ – Amazon.com, Inc.   *Jan 2019 – present*

- Lead engineer on Amazon One Payments - biometric based contactless payment/wallet solution. Designed and implemented critical path on- and off-card software for payments
- Experienced in developing, testing, and certifying secure JavaCard applets for JavaCard OS using standards like GlobalPlatform 2.x, VISA, MasterCard, ExpressPay, EMVCo, Mifare, UICC/ETSI and communication protocols ISO7816 and ISO14443
- Engineered a distributed and scalable OTA solution for SE provisioning and applet deployments. Managed card contents securely using multiple SDs, cryptography, and secure channels (e.g. SCP03)
- Developed Android services using Bluetooth Low Energy (BLE) libraries
- Self-taught smart card expertise, with no prior experience in the field; demonstrating ability to quickly learn and adapt to new technologies. Eager to build on this experience and expand into telecom/SIM domains

Software Engineer (L4-L5)   *Seattle, WA*
Physical Stores (Go, Fresh, Books ↗) – Amazon.com, Inc.   *July 2016 – Jan 2019*

- Full-stack development and ML Engineering. Projects included content management systems, associate tools, and content curation automation (reduced manual curation efforts by more than 60%)
- Participated in the full development cycle, end-to-end, from design, implementation, and testing to documentation, delivery and maintenance through oncall rotation
- Used various AWS services RDS, EC2, DynamoDB, S3, SQS, SNS, API Gateway, Lambda, AWS SageMaker

Research Analyst Summer Intern   *Istanbul, Turkey*
McKinsey & Company   *June 2015 – Sept 2015*

- Performed a 4-week fast-paced commercial due diligence on a consumer goods company for a PE firm
- Developed forecasting models and macros using Excel and R to assist research requests

Founder/Side-hustle   *Atlanta, GA*
MetiStudy – Online Tutoring App   *Jan 2014 – July 2014*

- Developed a webapp using Flask to match college students with tutors according to their desired price range

Patents

Stateless Secure Payment System US-11625725-B1 ↗   Apr 2023

Jordan Tyler Williams, Sarath Geethakumar, Aneeta Bhattacharyya, Tamer Avci,
Venkatraman Srinivasan, Sanjay Kumar Dash