

**C. Matthew (Matt) Mitman**  
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## WORK EXPERIENCE

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**AMAZON WEB SERVICES, ELASTIC FILE SYSTEM (EFS)** Boston, MA; Remote  
*Senior Software Development Engineer* Sept 2018 - March 2021; July 2022 - Present

- Founding member and technical leader on the service's performance team. Our team works to reduce operating costs and improve customer experience through distributed system optimizations, identifying and delivering data path and load distribution improvements.
- Key contributor on a number of service-level performance launches, including:
  - 5x read IOPS improvement, up to 35k, while also cutting hardware costs [[April 2020](#)].
  - 100% improvement on single-client throughput, to 500 MB/s [[July 2020](#)].
  - 60% reduction in read latency, and 40% reduction in writes [[November 2022](#)].
  - 1.6x increase in read IOPS, 3.6x increase in write IOPS, to 55k/25k [[August 2023](#)].

**OPENDOOR** Remote  
*Software Developer* March 2021 - April 2022

- Full stack developer on the Seller team, designing and supporting the dashboards, APIs and data systems which enable Opendoor to provide home sellers with an instant cash offer.
- Worked with product management and data science teams to ideate, design, implement, and analyze product experiments aimed at increasing contract conversion.
- Leveraged AWS experience to up-level the team's oncall processes, developing a managed runbook and alert tiering system.
- Designed and implemented a secure, web-based video uploading system via AWS S3's multipart upload APIs to support [self-service home video walkthroughs](#).

**MOBILE VIRTUAL PLAYER LLC.** Hanover, NH  
*Student Engineering Consultant* Sept 2017 - March 2018

- Designed, built, and tested a three-dimensional, mobile, reactive target for special forces firearms training. Product includes an electrical system to interface with a microcontroller, wireless relay and iOS application. Personally led development of the mobile app, PCB and telemetric system. Credited as inventor on [patent no. 20200051456](#).

## EDUCATION

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**THAYER SCHOOL OF ENGINEERING AT DARTMOUTH** Hanover, NH  
*Bachelor of Engineering, Computer Engineering; minor in Hispanic Studies*

- Graduated Cum Laude with a 3.71 GPA
- Member of Tau Beta Pi, the engineering honors society (top 1/8th of Thayer class)
- Relevant Coursework: Object-Oriented Programming, Discrete Mathematics in Computer Science, Algorithms, Software Design and Implementation, Computer Architecture, Digital Electronics, Computer Networks, Discrete and Probabilistic Systems, Microprocessors in Engineered Systems, Advanced Digital System Design

## RELEVANT SKILLS

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- Python, Java, Javascript, Go, Ruby, PostgreSQL, GraphQL, AWS
  - Business proficient in Spanish; studied abroad in Madrid, Fall of 2015