ALM in Software Engineering

- Capstone track
- Thesis track

**33**

**AGE BREAKDOWN**

- 31% < 30
- 49% 31 - 40
- 20% 41+

**189**

**DEGREE CANDIDATES**

**WHILE EARNING THE DEGREE**

- 33% Live in MA
- 54% Live Outside of MA
- 13% Live Outside of U.S.

**FEMALE: 21%**

**MALE: 79%**

**82% OF STUDENTS ARE EMPLOYED FULL-TIME WHILE EARNING THE DEGREE**

**REASONS FOR PURSUING DEGREE**

- 8% Personal Enrichment
- 23% Career Change
- 29% Career Advancement
- 40% Deepen Expertise

**YEARS OF STUDENTS FULL-TIME WORK EXPERIENCE**

- 4 years & under: 22%
- 5-10 years: 37%
- 11-20 years: 30%
- Over 20 years: 11%

**SOFTWARE ENGINEERING GRADUATE CERTIFICATES**

- Back End Web Development
- Cybersecurity
- Data Science

**48% OF STUDENTS HAVE PROFESSIONAL EXPERIENCE IN THE FIELD**

**AVERAGE TIME TO GRADUATION**

- 5 YEARS

**100% OF RECENT GRADS WOULD RECOMMEND THE PROGRAM**

**AVG # OF COURSES TAKEN PER SEMESTER**

- 31% 1 Course
- 66% 2 Courses
- 3% 3 Courses

Learn more at extension.harvard.edu
<table>
<thead>
<tr>
<th>SELECT JOB TITLES HELD BY OUR GRADUATES</th>
<th>GRADUATES HAVE GONE ON TO WORK IN THE FIELDS OF...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chief Technology Officer</td>
<td>IT services</td>
</tr>
<tr>
<td>Web Developer</td>
<td>Pharmaceuticals</td>
</tr>
<tr>
<td>Mobile Engineer</td>
<td>Computer services</td>
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<tr>
<td>Java Developer</td>
<td>Financial services</td>
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<tr>
<td>Senior Software Developer</td>
<td>Computer software</td>
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<td>Higher education</td>
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<td>Telecommunication</td>
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**ALUMNI SPOTLIGHT**

*Meet ALM in Software Engineering Graduate, Angelo Kastroulis.*

Founder, Principal Consultant at Carrera Group

I remain the principal but have significantly grown my business and staff. The work I do is more engaging, and many new doors have opened that would not have otherwise.

As a software consultant with 20 years in the field, I realized that AI and ML were essential parts of my future. What I did not understand clearly is that I have a love for academic writing and research. There is not a single day that I do not use what I learned.

I earned the Data Science certificate and was invited to join the research team at the Data Systems Lab at the Paulson School of Engineering and Applied Science. I continue to research and innovate, recently filing my first patent in AI. I also focus my work on cutting edge systems to help bring clinical decision support from bench to bedside that will hopefully make a difference in future pandemics.

One of the unique opportunities is conducting software engineering thesis research under world-class Harvard SEAS faculty. Not just experts in AI, natural language processing, data systems, and algorithms but thought leaders, chairs of conference organizations, and accomplished researchers. Some of my favorite courses had no textbooks: what we were learning was too new. The student body was diverse; some were Ph.D. candidates, others cross-registered from other Harvard schools, and some of us were graduate students from HES.

The thesis research lets you experience one of the most rewarding professional experiences. The realization that you have contributed a new piece of knowledge to your field is indescribable. I still remember the moment that my thesis director smiled and said, "congratulations, you now know something that no one else does." That feeling (and my director’s help and support) will be something I will forever value. You will push yourself in new and exciting ways and become stronger, more determined, and immeasurably better.

For more information on career highlights, visit our Career and Academic Resource Center (CARC) at [carc.extension.harvard.edu](http://carc.extension.harvard.edu)