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# MAYANK M. MAKWANA

*Solving the world's problems with technology*

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## ENGINEERING EXPERIENCE

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| <b>Product Development</b>   | <b>LeanPlum</b>        | <b>5/17-8/17   Aug 2018- now</b> |
| <ul style="list-style-type: none"><li>Architected and implemented a map-reduce pipeline for sending push notifications to 10MM+ active users.</li><li>Migrating managed services to Kubernetes for anticipated monthly cloud cost reduction of \$150k.</li><li>Integrating custom metrics to measure API latency, cache usage (hit/miss ratio), and database usage cost.</li><li>Participate in sales and customer support calls to identify customer pain points for product roadmap, and product market fit discussions.</li></ul> |                        |                                  |
| <b>Engineering Fellow</b>  | <b>Kleiner Perkins</b> | <b>May 2018-current</b>          |
| <ul style="list-style-type: none"><li>Chosen from 3000+ applicants as one of 52 engineering fellows for prestigious Kleiner Perkins fellowship.</li></ul>  |                        |                                  |
| <b>Security Software Engineer</b>  | <b>Shape Security</b>  | <b>May 2018 – August 2018</b>    |
| <ul style="list-style-type: none"><li>Analyzed different encryption algorithms, measuring latency costs, code confusion, and bits diffusion.</li><li>Designed and integrated encryption algorithm into Shape's core product with only 10% latency increase.</li><li>Implemented optimizations for JavaScript compiler to increase code obfuscation by 80%.</li></ul>   |                        |                                  |
| <b>Mobile Software Engineer</b>  | <b>Sprout Social</b>   | <b>May 2016 – August 2016</b>    |
| <ul style="list-style-type: none"><li>Measured user engagement with Bambu app timeline using A/B testing, noticing a 20% greater engagement on variant (images) over control (no images).</li><li>Shipped iOS/Android app using React Native to address Sprout customer pain-point of employee advocacy, onboarding 5 beta customers and contributing to product roadmap, sprint planning, and key metrics talks.</li></ul>  |                        |                                  |

## LEADERSHIP EXPERIENCE

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| <b>Executive Director / Founder</b>  | <b>HackPSU</b>         | <b>April 2016 – May 2018</b> |
| <ul style="list-style-type: none"><li>Founded HackPSU to cultivate a culture of innovation, entrepreneurship, and fast-paced learning for those interested in breaking into technology field at Penn State.</li><li>Managed and grew organization from 5 to 40+ team members in specialized teams including marketing, logistics, design, and more, continuously running tests for improving hackathon model.</li><li>Increased hackathon participation from 50 to 750 students, creating largest technology event on campus.</li><li>Raised over \$100k in funds from companies like Google, Apple, and Microsoft annually.</li></ul> |                        |                              |
| <b>Founder</b>   | <b>Vimay Creations</b> | <b>July 2012 – May 2016</b>  |
| <ul style="list-style-type: none"><li>Founded Vimay Creations to help local businesses affordably create and maintain web presences.</li><li>Worked closely with clients and their customers in different industries to cultivate customer empathy and build websites that increased sales by over 40%.</li></ul>  |                        |                              |

## EDUCATION

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|---|--------------------------------------|--------------------|
| <b>University Park, PA</b>  | <b>Pennsylvania State University</b> | <b>2015 - 2018</b> |
| <ul style="list-style-type: none"><li>B.S. Computer Science with Minor in Entrepreneurship and Innovation. GPA: 3.85 / 4.0</li><li>Teaching Assistant, <i>Theory of Computation</i>: Led recitations and reviews; Designed and graded homework.</li></ul> |                                      |                    |

## COMPETITIONS

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- MIT Zero Robotics, 4<sup>th</sup> in World**: Ranked 4<sup>th</sup> in the world for programming a robot on the International Space Station to take pictures of different points on an asteroid, while accounting for conditions in space. C++.
- International Collegiate Programming Contest, 3<sup>rd</sup> Place**: Ranked 3<sup>rd</sup> in collegiate algorithms competition.

## PROJECTS

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- Penn State Dance MaraTHON PASS System**: Django application (both back-end and front-end) that monitors building capacity as well as stage capacity by automatically checking on/off attendees. Application is used by 16,000+ users and handles over 100,000 transactions. Python (Django framework), SQL.
- CollegeApp**: iOS application that collects college applications/decisions data to help students applying to college with the process. Designed product roadmap, ran user experiments, and launched A/B tests to create app used by over 100 students. Swift, Object-C, SQL.