Alexander S Day

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# **Skills**

| On the Design tab of the ribbon, check out the Themes, Colors, and Fonts galleries to get a custom look with just a click. |
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# **Work Experience**

| 08/2018 – Current | **Graduate Research Assistant**, University of Arizona Department of Biomedical Engineering   * This is the place for a brief summary of your key responsibilities and most stellar accomplishments. |
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| 08/2021 – Current | **Graduate Teaching Assistant**, University of Arizona Department of Biomedical Engineering   * This is the place for a brief summary of your key responsibilities and most stellar accomplishments. |
| 05/2017 – 08/2017 | **Research Engineering Intern**, *Roche Tissue Diagnostics (Formerly* Ventana Medical Systems)   * This is the place for a brief summary of your key responsibilities and most stellar accomplishments. |
| 05/2016 – 05/2018 | **Undergraduate Researcher***, University of Arizona* Department of Biomedical Engineering   * This is the place for a brief summary of your key responsibilities and most stellar accomplishments. |

# **Education**

| 08/2018 – Current  08/2014 – 05/2018 | **PhD, Biomedical Engineering** (expected graduation: 12/2021)  University of Arizona – Tucson, AZ  **BS, Biomedical Engineering** (GPA: 3.89, *Magna Cum Laude*)  University of Arizona – Tucson, AZ |
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# Communication

| You delivered that big presentation to rave reviews. Don’t be shy about it now! This is the place to show how well you work and play with others. |
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# **Publications**

| **Alexander S. Day**+, Tiffany-Heather Ulep+, Elizabeth Budiman, Laurel Dieckhaus, Babak Safavinia, Tyler Hertenstein, and Jeong-Yeol Yoon, "Contamination-resistant, rapid emulsion-based isothermal nucleic acid amplification with Mie-scatter inspired light scatter analysis for bacterial identification," *Scientific Reports*, 2021, 11:19933 (+ these authors contributed equally.)  **Alexander S. Day**, Tiffany-Heather Ulep, Babak Safavinia, Tyler Hertenstein, Elizabeth Budiman, Laurel Dieckhaus, and Jeong-Yeol Yoon, "Emulsion-based Isothermal Nucleic Acid Amplification for Rapid SARS-CoV-2 Detection via Angle-dependent Light Scatter Analysis," *Biosensors and Bioelectronics*, 2021, 179: 113099  Sangsik Kim+, Min Hee Lee+, Theanchai Wiwasuku, **Alexander S. Day**, Sujittra Youngme, Dong Soo Hwang, and Jeong-Yeol Yoon, "Human Sensor-inspired Supervised Machine Learning of Smartphone-based Paper Microfluidic Analysis for Bacterial Species Classification," *Biosensors and Bioelectronics*, 2021, 188: 113335 (+ these authors contributed equally.)  Tiffany-Heather Ulep, **Alexander S. Day**, Katelyn Sosnowski, Alexa Shumaker and Jeong-Yeol Yoon, "Interfacial Effect-based Quantification of Droplet Isothermal Nucleic Acid Amplification for Bacterial Infection," *Scientific Reports*, 2019, 9: 9629 |
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# **Volunteer Experience**

| 08/2019 – 05/2021 | **Graduate Mentor,** *University of Arizona Department of Biomedical Engineering*   * This is the place for a brief summary of your key responsibilities and most stellar accomplishments. |
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| 04/2019 – Current | **Grant Reviewer**, University of Arizona Graduate Professional Student Council   * This is the place for a brief summary of your key responsibilities and most stellar accomplishments. |
| 06/2019 – 07/2019 | **KEYS Graduate Mentor**, *University of Arizona BIO5 Institute*   * This is the place for a brief summary of your key responsibilities and most stellar accomplishments. |
| 05/2016 – 05/2018 | **Club Officer***, University of Arizona* Biomedical Engineering Society Chapter   * This is the place for a brief summary of your key responsibilities and most stellar accomplishments. |