Internships

Yamaha Corporation, Musical Instruments & Audio Products Business Unit, located in Hamamatsu, Japan, offers challenging engineering internship programs which provide real-life experience at one of the largest and most dynamic musical instrument manufacturers in the world. Listed are the programs and the departments currently offering internships.

Projects (1/2)

<table>
<thead>
<tr>
<th>Project Code</th>
<th>Project Title</th>
<th>Department</th>
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</thead>
<tbody>
<tr>
<td></td>
<td><strong>Acoustic Analysis &amp; Development</strong></td>
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<tr>
<td>A1</td>
<td>Acoustic and Vibration Analysis of Classical Musical Instruments</td>
<td>B&amp;O Instruments Development Department</td>
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<tr>
<td></td>
<td>Continuous measurement and analytic research, simulation and verification to gain insights on instruments behavior</td>
<td>Acoustics, Vibration Analysis, CAD Ability to play bowed string instruments (violin)</td>
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<td></td>
<td><strong>Digital Audio Signal Processing</strong></td>
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<td>D1</td>
<td>Development of FX for Digital Synthesizers using VST 3 Audio Plug-in SDK</td>
<td>Digital Musical Instruments Development Department</td>
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<td></td>
<td>Investigation and design of DSP algorithm with VST plug-in SDK, to prototype and evaluate new FXs for future products</td>
<td>Digital Audio Signal Processing, C/C++, Electric/Electronic Circuitry, Electro-Acoustics, Musical Instruments or Music Production Experience with DAW</td>
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<td></td>
<td><strong>Software Development</strong></td>
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<td>S1</td>
<td>Mobile app specification and software development</td>
<td>Digital Musical Instruments Development Department</td>
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<td></td>
<td>iOS/Android App Planning &amp; Development of Smart Device Application which supports video shooting for musical performances</td>
<td>Interest and knowledge in Apps to be able to evaluate specs as an App user Knowledge and Experience in iOS or Android App development utilizing Swift/Kotlin</td>
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### Projects (2/2)

<table>
<thead>
<tr>
<th>Project Code</th>
<th>Project Title</th>
<th>Department</th>
<th>Process &amp; Objective</th>
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</thead>
<tbody>
<tr>
<td>R1</td>
<td>Log Data analysis for improvement of cloud services</td>
<td>Core Technology Development Department</td>
<td>Extracting valuable information by analyzing cloud service logs, to improve service stability and usability</td>
</tr>
<tr>
<td>R2</td>
<td>Product evaluation in network devices and universal communication area</td>
<td>CC Development Department</td>
<td>Proposing next generation NWD or UC product plan/concept by examining required functions and performances in these products</td>
</tr>
<tr>
<td>M1</td>
<td>Mechanical evaluation and examination of improvement method for handheld devices</td>
<td>MX Development Department</td>
<td>Reviewing current test protocol for Microphones, performing practical endurance test, and proposing countermeasures with 3D model, to gain insights on Yamaha QC</td>
</tr>
</tbody>
</table>

#### Product Evaluation

- **R1**: Log Data analysis for improvement of cloud services
  - Process & Objective: Extracting valuable information by analyzing cloud service logs, to improve service stability and usability
  - Required Major / Skills / Knowledge / Experience: Scripting language in Linux (Python, JavaScript), Cloud Service System (AWS), MySQL, Basic Knowledge in Network Administration and Protocols

- **R2**: Product evaluation in network devices and universal communication area
  - Process & Objective: Proposing next generation NWD or UC product plan/concept by examining required functions and performances in these products
  - Required Major / Skills / Knowledge / Experience: Basic Knowledge in Network Administration and Protocols

#### Mechanical Development

- **M1**: Mechanical evaluation and examination of improvement method for handheld devices
  - Process & Objective: Reviewing current test protocol for Microphones, performing practical endurance test, and proposing countermeasures with 3D model, to gain insights on Yamaha QC
  - Required Major / Skills / Knowledge / Experience: Mechanical Engineering, Mechanics, Material Mechanics (Plastic and Aluminum), 3D CAD (SolidWorks preferred), Karaoke
Term:
- June to September, 2022, 6 interns
- January to March, 2023, 3 interns
  10-12 weeks, 5 days a week, full time (8:15 - 17:00 flex)

Basic Criteria:
- Students in engineering, computer science, physical sciences, and mathematics.
- Minimum GPA of 3.25.
- Native English speaker or CEFR B2 level
- One of the following:
  - Ability to play musical instruments, experience in music production, reading music, composition, arrangements, music theory, MIDI.
  - Experience in sound reinforcement, recording, mixing, audio processing, DAW.
  - Experience in home audio & video system integration, custom installation, movie editing, soundtrack production, audio & video product evaluation.
  - Experience in local area network design, administration, traffic analysis, security, trouble shooting.
  - Experience in Web App development, Web service design and operation, Web hosting, iOS/Android App development.
- Eligible to work abroad (Japanese VISA assistance available). Interns must be eligible to travel abroad under COVID-19 border measures. Internships are subject to cancellation due to any business or safety concerns.
- Intern shall obtain sufficient Medical & Travel Insurance valid in Japan.
- Basic communication in Japanese.

All programs will be conducted in English. However, interns are requested to travel on their own from major airport/station to the Yamaha HQ, stay in our dormitory, and shop daily supply at local stores, where English is not commonly spoken. For sufficient linguistic skill level, please refer to:

http://www.jlpt.jp/e/about/levelsummary.html - “N5”

Consideration Provided by Yamaha:
- Travel Expense
- Lodging & Dining (dormitory & canteen)

Application:
Please visit http://yamahacareers.com/, register and find a position that suites you.
Please submit your application with a cover sheet clearly designates a project code.

Corporate Profile & other documents:
https://drive.google.com/drive/folders/
Other details (not exposed to general applicants)

Basic Criteria
Our program is designed for undergraduates (junior or above) and students in Masters course.
Applicant's real-life experience is often requested by mentors, the importance sometimes exceeds
major/minor matching or GPA.
Our program does not require Japanese visa under waiver program. (Less than 90 days)

Working conditions
Monday to Friday, 8:15 - 17:00 or 9:15 - 18:00, flex with core time 10:00 - 15:00
National and Yamaha holidays may apply
No significant dress code (Business Casual recommended)
Lunch and Supper at corporate diner (if requested)

Transportation
Yamaha will pay domestic travel expense
(Initial, final, and during internship, for railways & buses)
Yamaha may provide reasonable international flight ticket

Dorm
Yamaha will pay for housing and utility
Futon & linen, Kitchenette, Washer, TV, Internet connection, Life startup kit
Less than 3 km distance from the workplace, 5 min travel on train or 15 min by bus.

Stipend
JPY 4,000 after tax, per working days
(Meal expense may be deducted if provided at Yamaha diner)

Other Benefits
Yamaha factory tours
Japanese language lesson available